

NEWFIELD



Route #3 Box 3630
Myton, Utah 84052
(435) 646-4825, FAX: (435) 646-3031

March 15, 2007

State of Utah
Division of Oil, Gas & Mining
Attn: Diana Whitney
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill

Federal 12-22-9-16

Federal 2-26-9-16

Federal 8-26-9-16

Dear Diana:

Enclosed find APD's on the above referenced wells. Please Contact Dave Allred to set up an On-Site. The proposed 12-22-9-16 location is an Exception Location. Our Land Department will send you the required Exception Location Letter. If you have any questions, feel free to give either Dave Allred or myself a call.

Sincerely,

Mandie Crozier
Regulatory Specialist

mc
enclosures

RECEIVED

MAR 16 2007

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

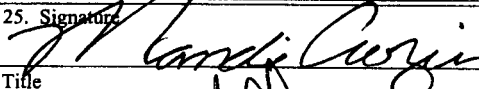
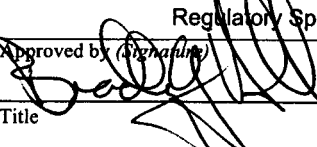
FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-74392
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. N/A
3a. Address Route #3 Box 3630, Myton UT 84052	3b. Phone No. (include area code) (435) 646-3721	8. Lease Name and Well No. Federal 12-22-9-16
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NW/SW 2113' FSL 349' FWL 5757064 40.014877 At proposed prod. zone 44295754 -110.112934		9. API Well No. 43-013-33586
14. Distance in miles and direction from nearest town or post office* Approximately 24.3 miles southwest of Myton, Utah		10. Field and Pool, or Exploratory Monument Butte 105
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 527' f/lse, NA f/unit	16. No. of Acres in lease 2080.00	11. Sec., T., R., M., or Blk. and Survey or Area NW/SW Sec. 22, T9S R16E
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1560'	19. Proposed Depth 5940'	12. County or Parish Duchesne
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5966' GL	22. Approximate date work will start* 3rd Quarter 2007	13. State UT
17. Spacing Unit dedicated to this well 40 Acres		
20. BLM/BIA Bond No. on file UTB000192		
23. Estimated duration Approximately seven (7) days from spud to rig release.		

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 3/16/07
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 04-05-07
Title Officer	ENVIRONMENTAL MANAGER	

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

RECEIVED

MAR 16 2007

DIV. OF OIL, GAS & MINING

Federal Approval of this
Action is Necessary

9 MILE 12-22-9-16
(Surface Location) NAD 83
LATITUDE = 40° 00' 53.69"
LONGITUDE = 110° 06' 48.83"

**NEWFIELD PRODUCTION COMPANY
FEDERAL #12-22-9-16
NW/SW SECTION 22, T9S, R16E
DUCHESNE COUNTY, UTAH**

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0' – 2320'
Green River	2320'
Wasatch	5940'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation 2320' – 5940' - Oil

4. PROPOSED CASING PROGRAM

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

NEWFIELD PRODUCTION COMPANY
FEDERAL #12-22-9-16
NW/SW SECTION 22, T9S, R16E
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site Federal #12-22-9-16 located in the NW 1/4 SW 1/4 Section 22, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles \pm to the junction of this highway and UT State Hwy 53; proceed southwesterly - 10.9 miles \pm to it's junction with an existing road to the northeast; proceed northeasterly and then southwesterly - 10.1 miles \pm to it's junction with an existing road to the southeast; proceed southeasterly and then northeasterly - 1.3 miles \pm to it's junction with the beginning of the proposed access road to the northeast; proceed northeasterly along the proposed access road - 2340' \pm to the proposed well location.

2. PLANNED ACCESS ROAD

See Topographic Map "B" for the location of the proposed access road.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

All permanent surface equipment will be painted Carlsbad Canyon.
Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

5. LOCATION AND TYPE OF WATER SUPPLY

Please refer to the Monument Butte Field SOP. See Exhibit "A".

6. SOURCE OF CONSTRUCTION MATERIALS

Please refer to the Monument Butte Field SOP.

7. METHODS FOR HANDLING WASTE DISPOSAL

Please refer to the Monument Butte Field SOP.

8. ANCILLARY FACILITIES

Please refer to the Monument Butte Field SOP.

9. WELL SITE LAYOUT

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management (Proposed location and access roads leading to).

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #05-240, 7/25/05. Paleontological Resource Survey prepared by, Wade E. Miller, 9/28/05. See attached report cover pages, Exhibit "D".

For the Federal #12-22-9-16 Newfield Production Company requests 2340' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed access road. Refer to Topographic Map "B". The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company requests 2340' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed gas lines. It is proposed that the disturbed area will temporarily be 50' wide to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line, with a permanent width of 30' upon completion of the proposed gas lines. The construction phase of the proposed gas lines will last approximately (5) days. Both lines will tie in to the existing pipeline infrastructure. Refer to Topographic Map "C." For a ROW plan of development, please refer to the Monument Butte Field SOP.

Surface Flow Line

For all new wells, Newfield Exploration requests that a 30' Right of way be granted to allow for construction of up to a 14" bundled pipe. Flow lines will be tan and will be constructed using the following procedures:

Clearing and Grading: the proposed flow line will be placed on the surface of the ground. As such no grading or clearing will be needed. The flow line will be centered staked every 200 feet prior to the installation. The flow line will be as close to the access road as possible without interfering with the normal road travel, or road maintenance

Installation for portions along existing roads, lengths of pipe will be laid in the barrow ditch, welded together and moved into place. For lines that go cross-country minimal access will be needed only for maintenance purpose. It is in the best interest of Newfield Exploration to avoid wet and saturated ground that would cause ruts greater than 3 inches in depth. Disturbed areas will be reclaimed within 120 days of the end of the installation.

Termination and final restoration: A notice of abandonment will be filed with the BLM for final recommendations regarding surface reclamation. After abandonment the flow line will be removed, and any surface disturbance will be reclaimed according to the standards and specifics set by the BLM.

Water Disposal

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the

produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

Threatened, Endangered, And Other Sensitive Species
None.

Reserve Pit Liner

A 12 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

Location and Reserve Pit Reclamation

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Western Wheatgrass	<i>Pascopyrum Smithii</i>	6 lbs/acre
Galletta Grass	<i>Hilaria Jamesii</i>	6 lbs/acre

Details of the On-Site Inspection

The proposed Federal #12-22-9-16 was on-sited on 3/17/06. The following were present; Shon Mckinnon (Newfeild Production), Chris Carusona (Bureau of Land Management), and Brandon McDonald (Bureau of Landmanagement). Weather conditions were clear and ground cover was 30% open.

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

Name: Dave Allred
Address: Route #3 Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #12-22-9-16 NW/SW Section 22, Township 9S, Range 16E: Lease UTU-74392 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

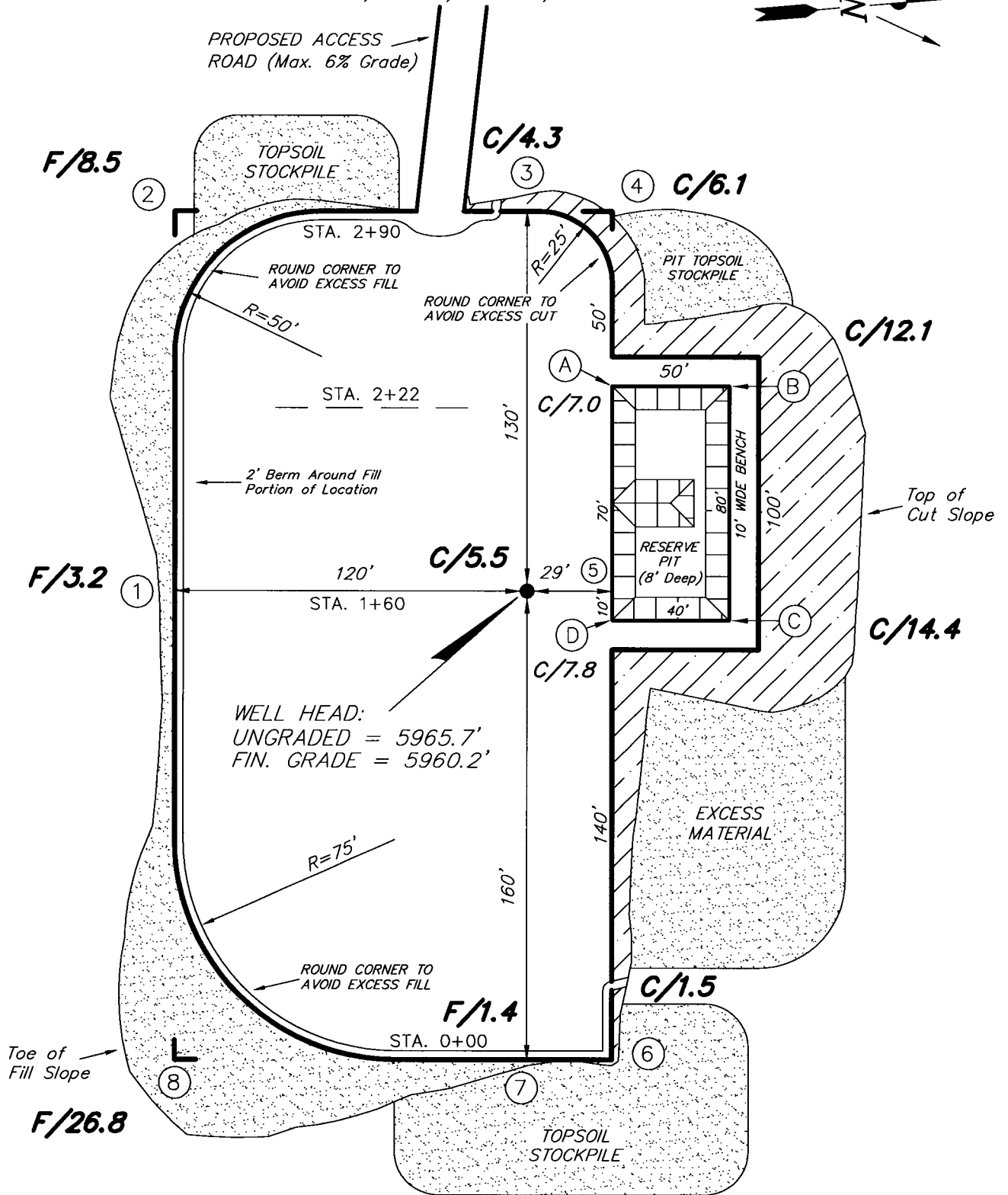
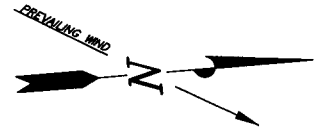
3/12/07
Date


Mandie Crozier
Regulatory Specialist
Newfield Production Company

NEWFIELD PRODUCTION COMPANY

9 MILE 12-22-9-16

Section 22, T9S, R16E, S.L.B.&M.



REFERENCE POINTS

210' EASTERLY = 5958.7'
260' EASTERLY = 5956.7'

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

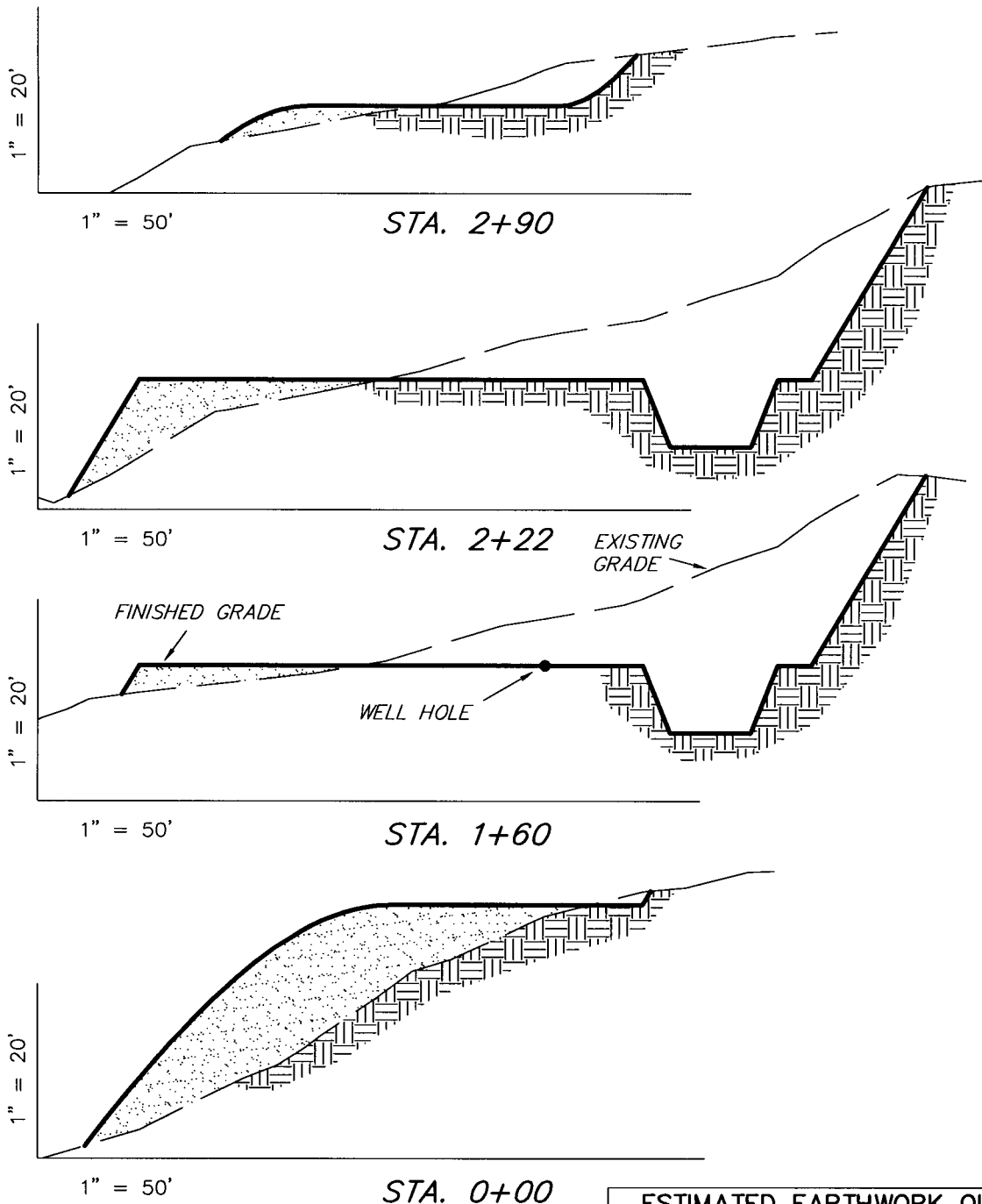
DATE: 03-15-06

Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
(435) 781-2501

NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS

9 MILE 12-22-9-16



NOTE:
UNLESS OTHERWISE NOTED
ALL CUT/FILL SLOPES ARE
AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	5,540	5,540	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	6,180	5,540	1,130	640

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

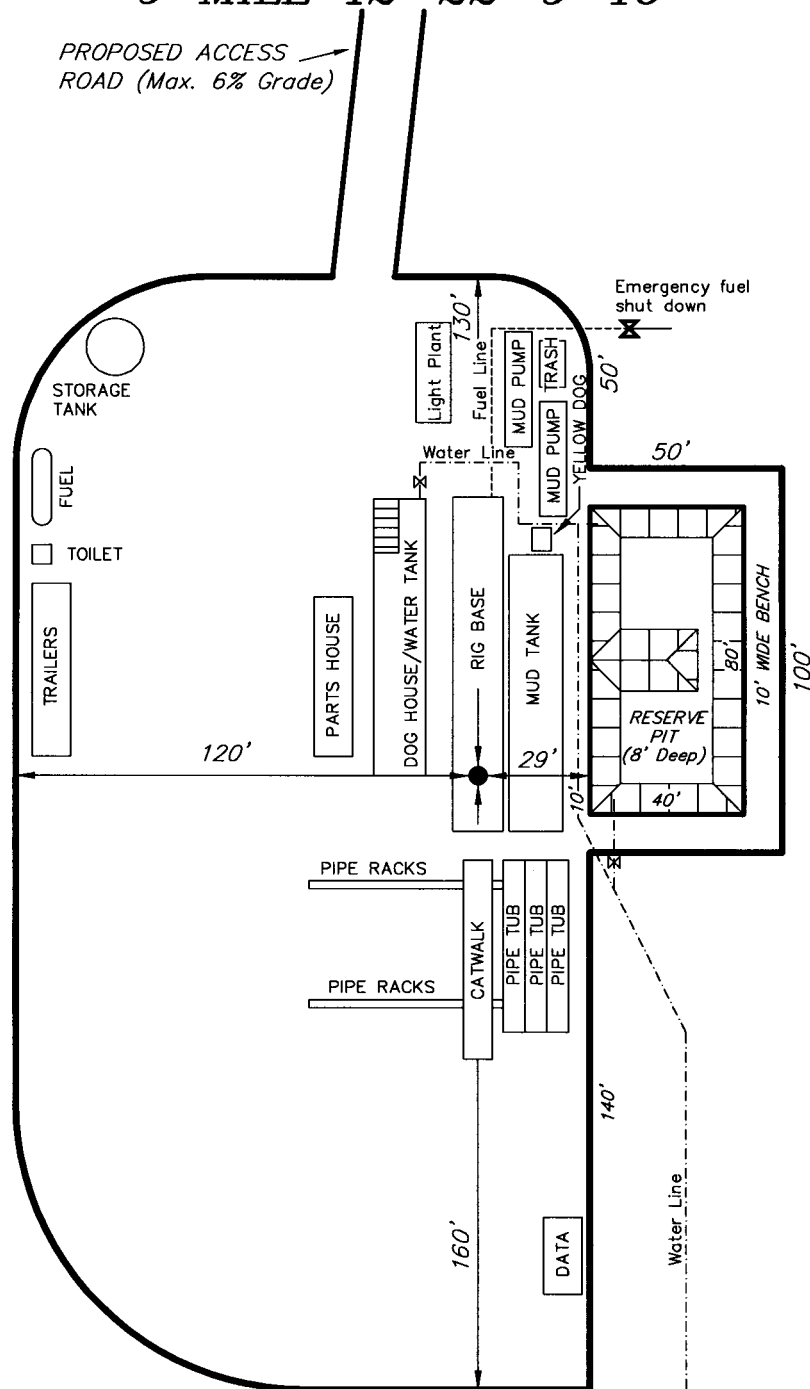
DATE: 03-15-06

Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
(435) 781-2501

NEWFIELD PRODUCTION COMPANY

TYPICAL RIG LAYOUT

9 MILE 12-22-9-16



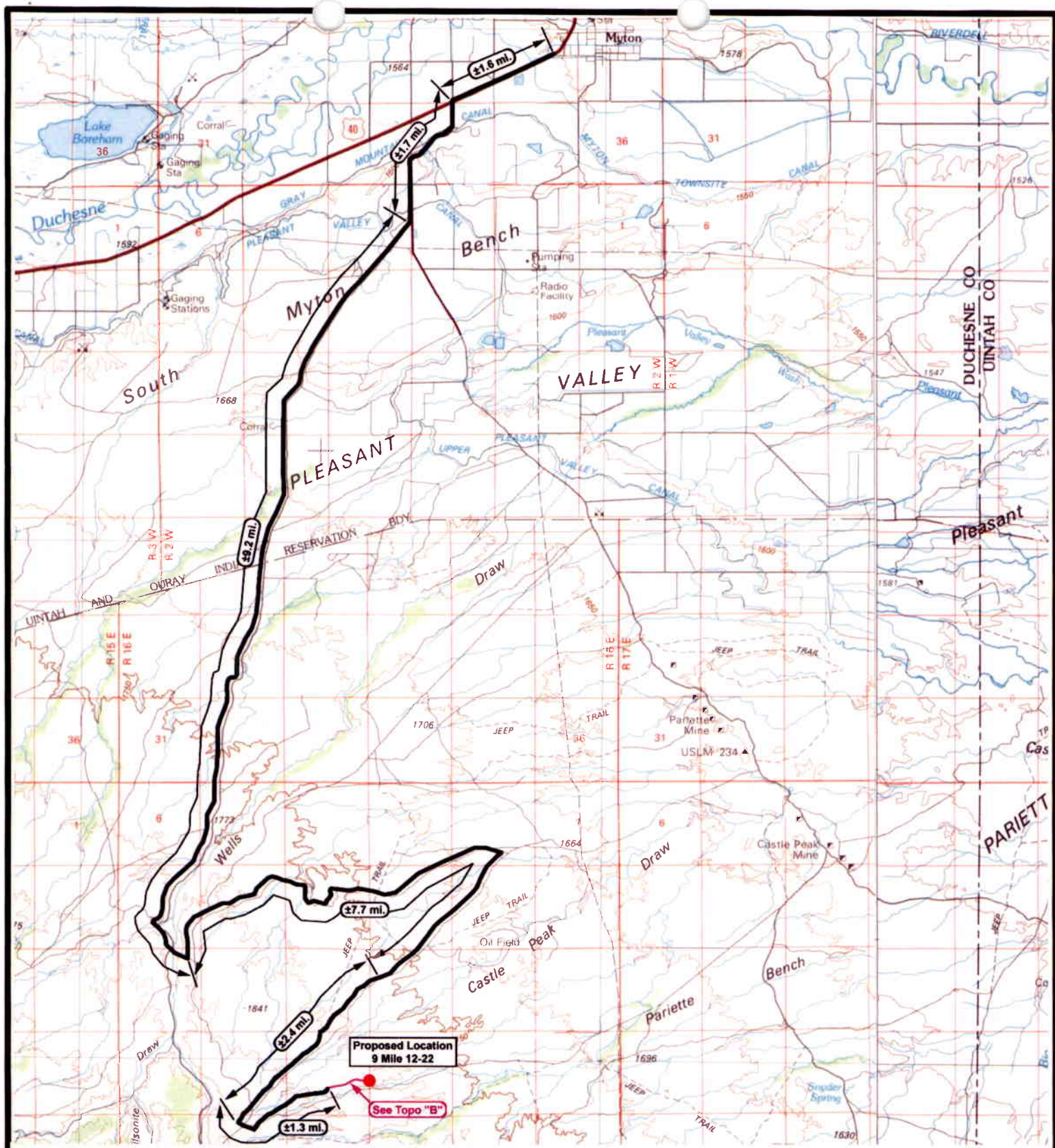
SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 03-15-06

Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
(435) 781-2501



NEWFIELD
Exploration Company

9 Mile 12-22-9-16
SEC. 22, T9S, R16E, S.L.B.&M.



Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

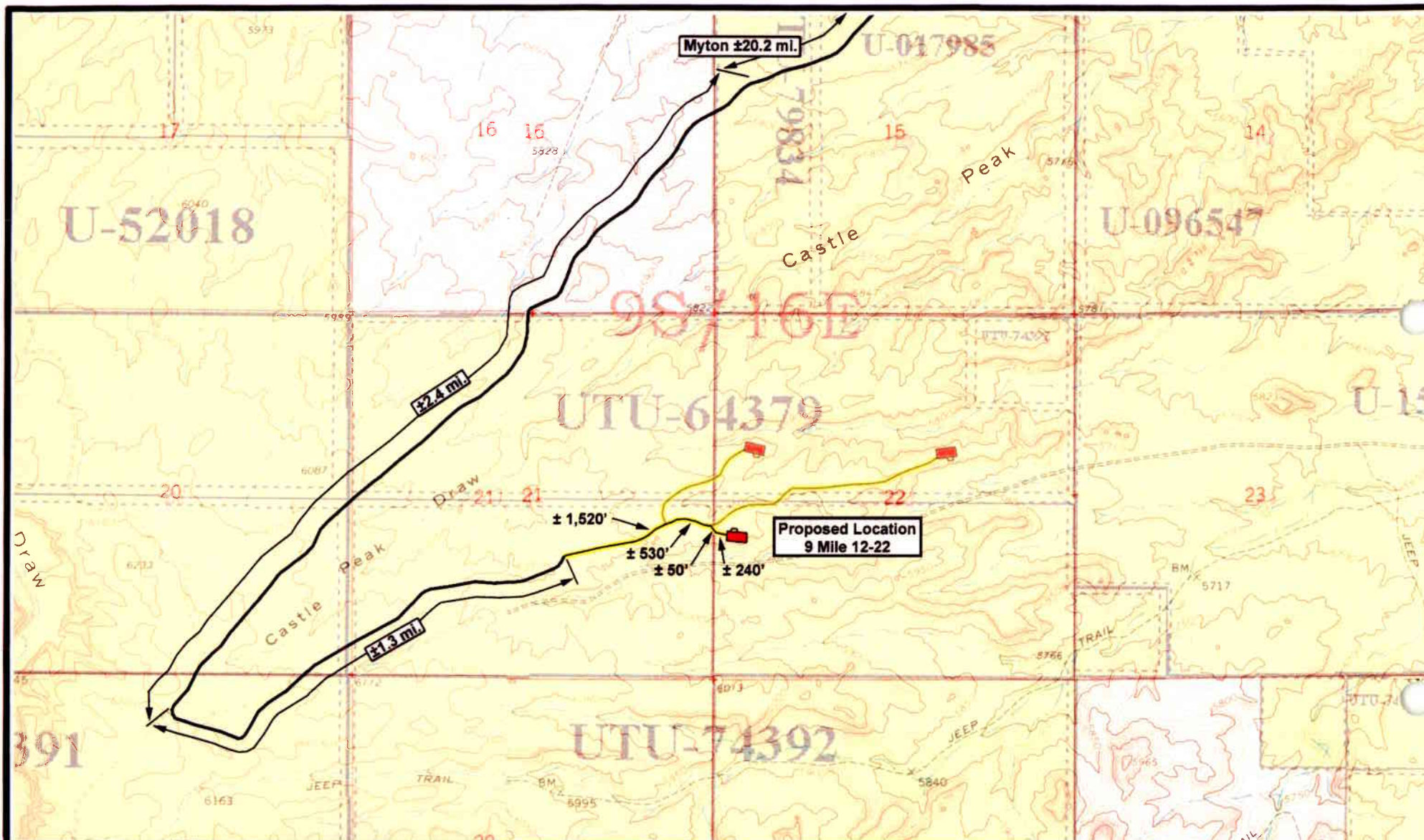
SCALE: 1 = 100,000
DRAWN BY: mw
DATE: 02-08-2007

Legend

Existing Road
Proposed Access

TOPOGRAPHIC MAP

"A"



9 Mile 12-22-9-16
SEC. 22, T9S, R16E, S.L.B.&M.

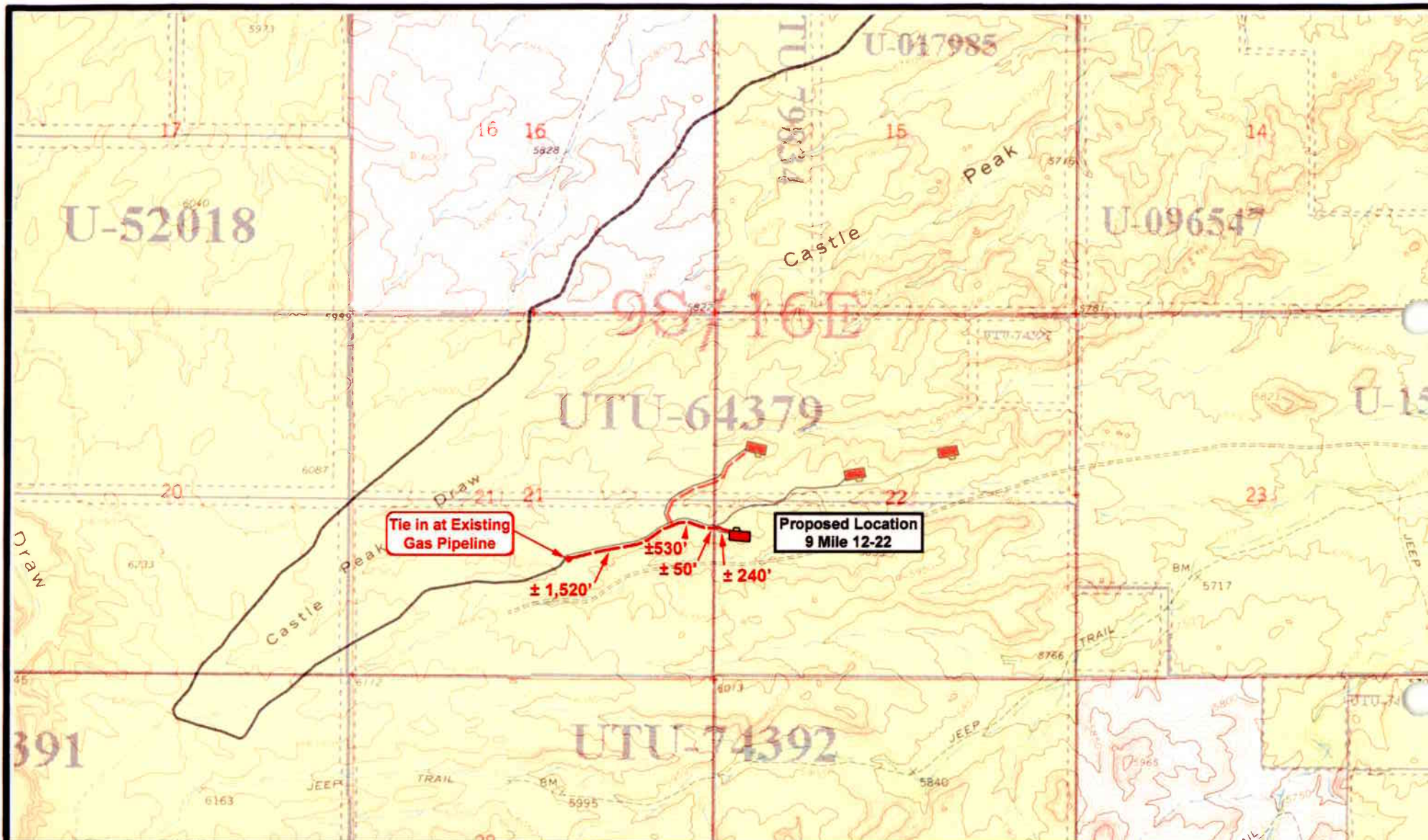


Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 02-08-2007

Legend	
	Existing Road
	Proposed Access

TOPOGRAPHIC MAP
"B"



NEWFIELD
Exploration Company

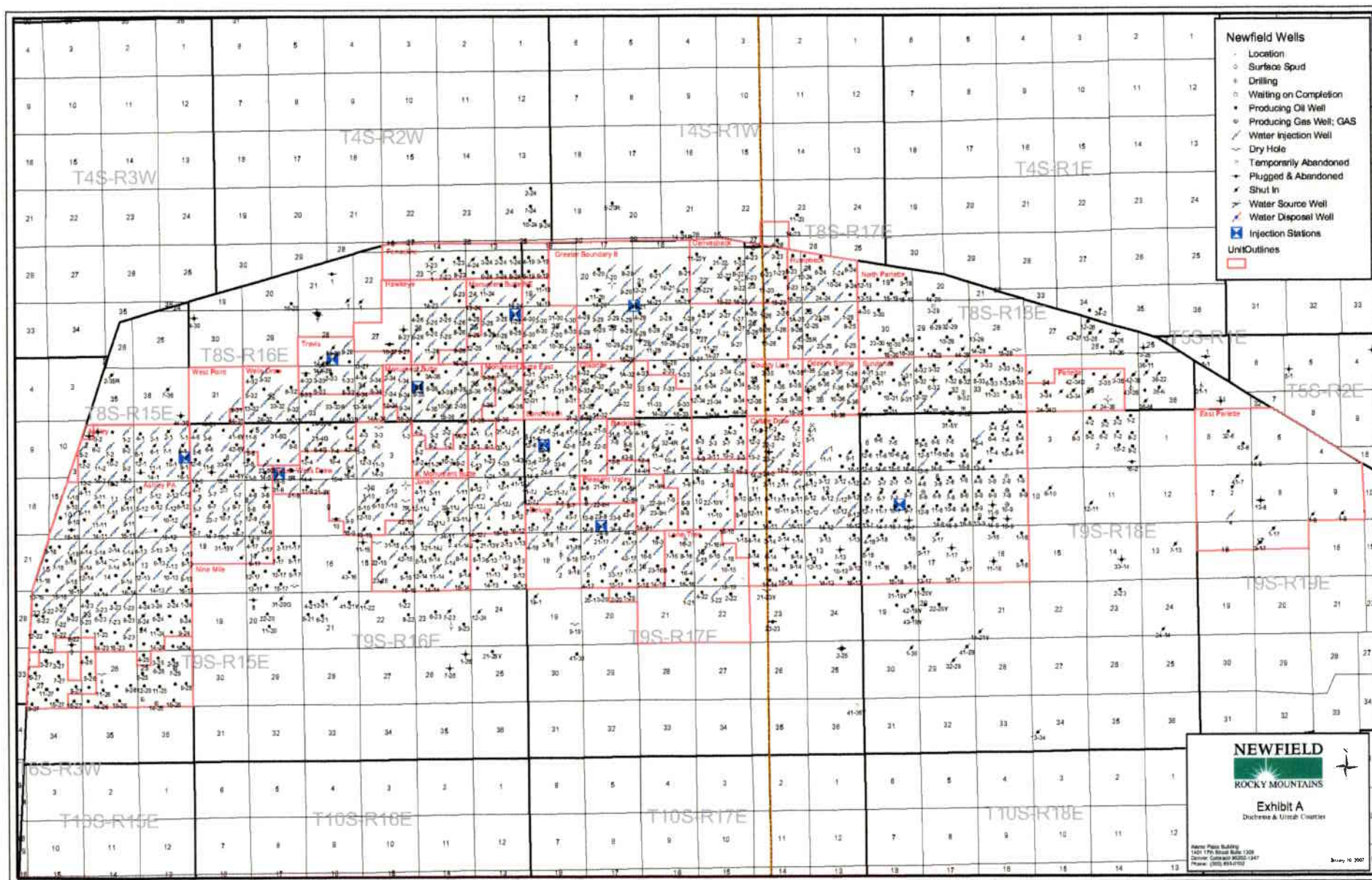
9 Mile 12-22-9-16
SEC. 22, T9S, R16E, S.L.B.&M.

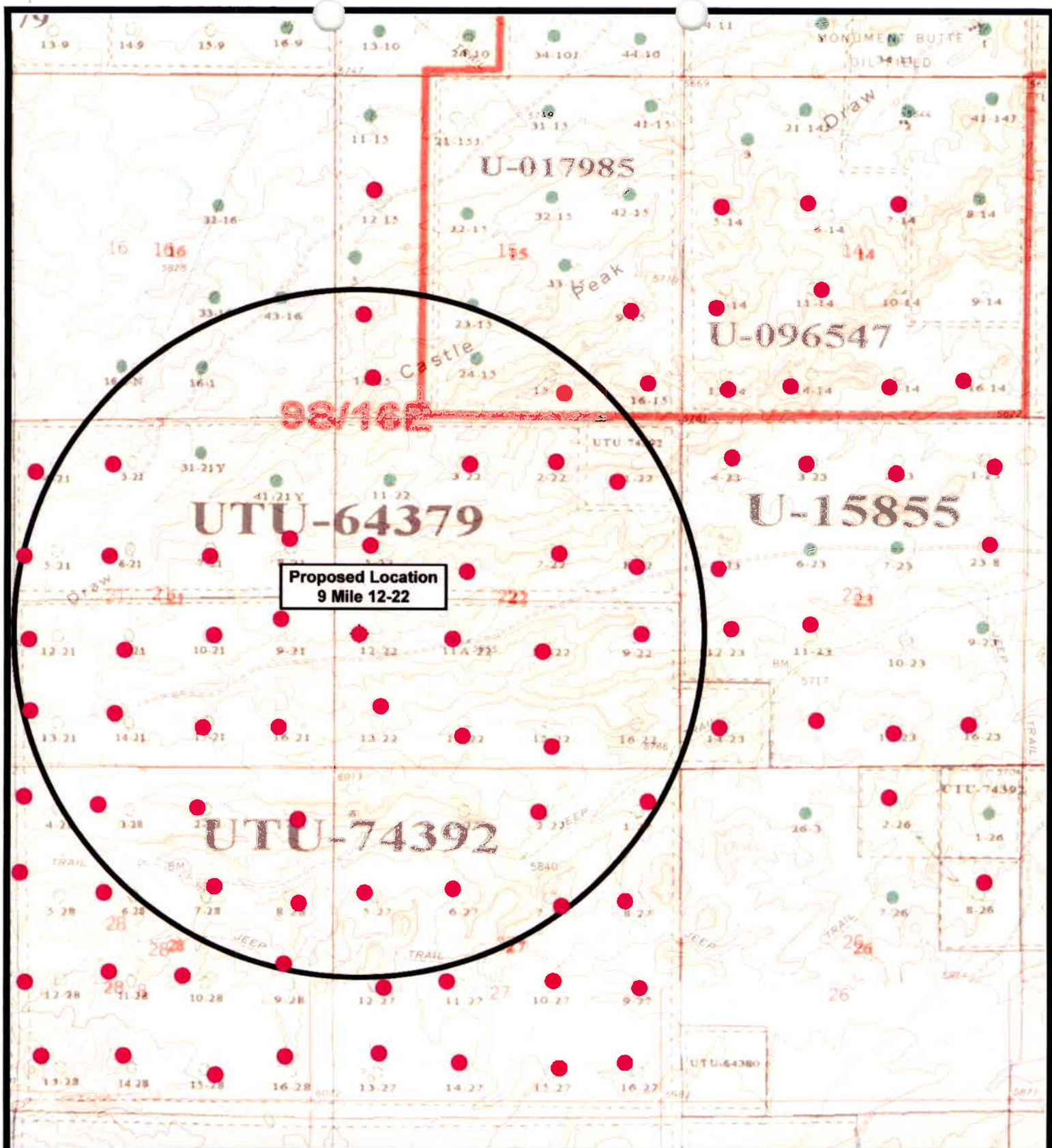


Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 02-08-2007

Legend	
	Roads
	Proposed Gas Line
TOPOGRAPHIC MAP	
"C"	





NEWFIELD
Exploration Company

9 Mile 12-22-9-16
SEC. 22, T9S, R16E, S.L.B.&M.



Tri-State
Land Surveying Inc.
(435) 781-2501

180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'

DRAWN BY: mw

DATE: 02-08-2007

Legend

- Location
- One-Mile Radius

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment Systems

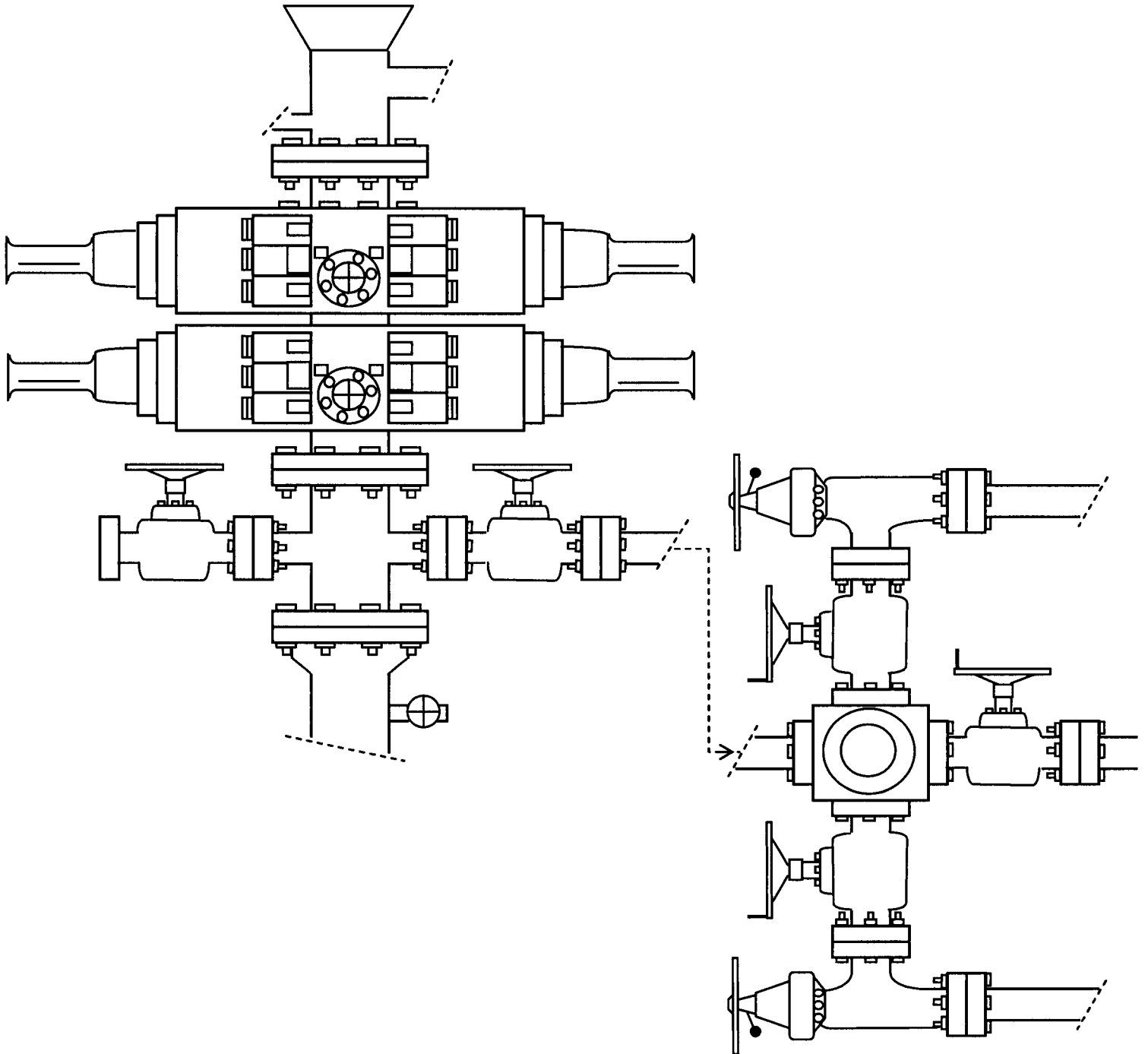


EXHIBIT C

Exhibit "D"
Page 1 of 5

CULTURAL RESOURCE INVENTORY OF
NEWFIELD EXPLORATION'S BLOCK PARCEL
IN TOWNSHIP 9S, RANGE 16E, SECTION 21 and 22,
DUCHESNE COUNTY, UTAH

By:

Katie Simon

Prepared For:

Bureau of Land Management
Vernal Field Office

Prepared Under Contract With:

Newfield Exploration Company
Rt. 3 Box 3630
Myton, UT 84052

Prepared By:

Montgomery Archaeological Consultants, Inc.
P.O. Box 147
Moab, Utah 84532

MOAC Report No. 05-240

July 25, 2005

United States Department of Interior (FLPMA)
Permit No. 05-UT-60122

State of Utah Antiquities Project (Survey)
Permit No. U-05-MQ-0709b

NEWFIELD PRODUCTION COMPANY

**PALEONTOLOGICAL FIELD SURVEY OF PROPOSED
PRODUCTION DEVELOPMENT AREAS,
DUCHESNE COUNTY, UTAH**

SW 1/4, SE 1/4, and SW 1/4, Section 9 [9,11,12,13 & 14-9-9-16]; Entire Section 22 (excluding NE 1/4, NE 1/4 & NW 1/4, NW 1/4) [2,3,5 through 16-9-9-16]; Entire Section 23 (excluding SE 1/4, NW 1/4, SW 1/4, NE 1/4, NE 1/4 & NW 1/4, SE 1/4) [1 through 5, 8,11 through 16-9-9-16]; Entire Section 24 (excluding SW 1/4, NW 1/4) [1 through 4, 6 through 16-9-9-16] all in Township 9 South, Range 16 East

REPORT OF SURVEY

Prepared for:

Newfield Production Company

Prepared by:

Wade E. Miller
Consulting Paleontologist
September 28, 2005

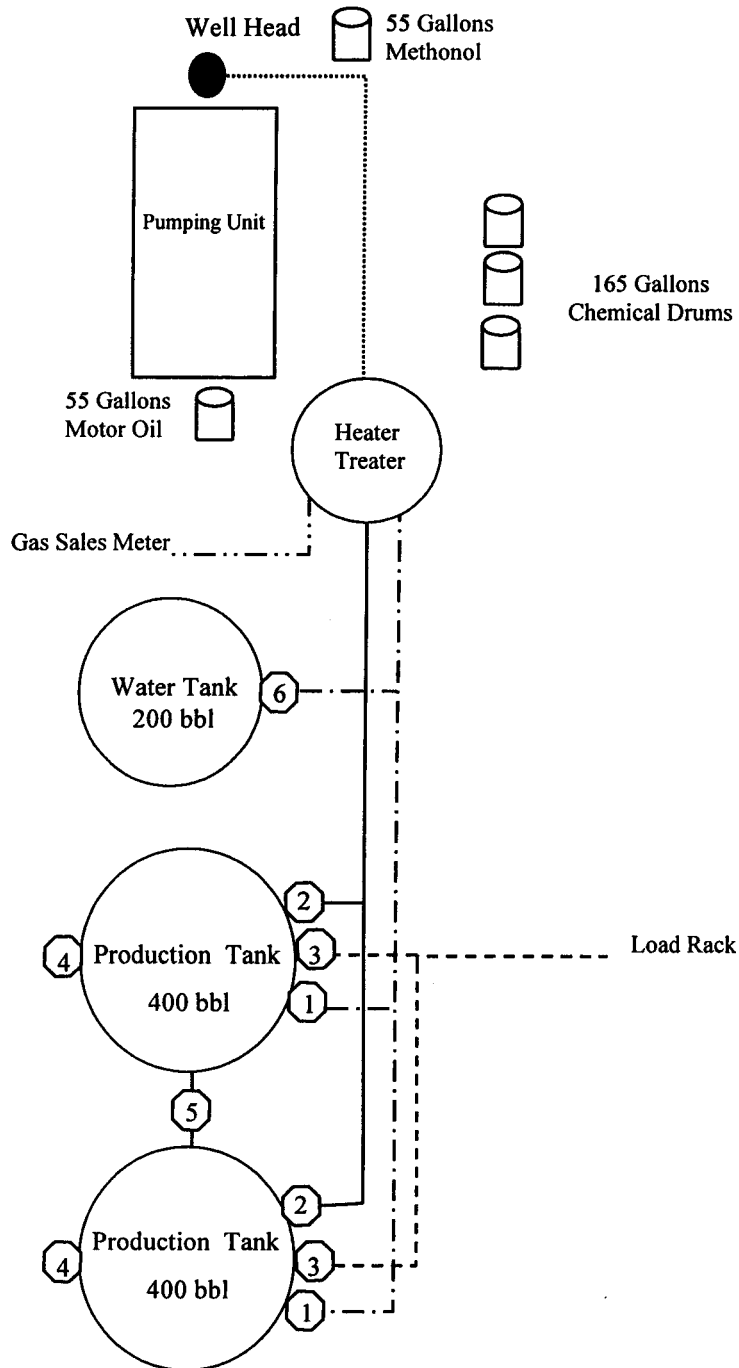
Lowfield Production Company Proposed Site Facility Diagram

Federal 12-22-9-16

NW/SW Sec. 22, T9S, R16E

Duchesne County, Utah

UTU-74392



Legend

Emulsion Line
Load Rack	-----
Water Line	- . - . - . - . - .
Gas Sales	-
Oil Line	_____

Production Phase:

- 1) Valves 1, 3, and 4 sealed closed
- 2) Valves 2, 5, and 6 sealed open

Sales Phase:

- 1) Valves 1, 2, 4, 5, and 6 sealed closed
- 2) Valve 3 open

Draining Phase:

- 1) Valves 1 and 6 open

Diked Section



WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 03/16/2007

API NO. ASSIGNED: 43-013-33586

WELL NAME: FEDERAL 12-22-9-16

OPERATOR: NEWFIELD PRODUCTION (N2695)

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NWSW 22 090S 160E

SURFACE: 2113 FSL 0349 FWL

BOTTOM: 2113 FSL 0349 FWL

COUNTY: DUCHESNE

LATITUDE: 40.01488 LONGITUDE: -110.1129

UTM SURF EASTINGS: 575706 NORTHINGS: 4429575

FIELD NAME: MONUMENT BUTTE (105)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-74392

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. UTB000192)
☒ Potash (Y/N)
☒ Oil Shale 190-5 (B) or 190-3 or 190-13
☒ Water Permit
(No. MUNICIPAL)
☒ RDCC Review (Y/N)
(Date:)
N/A Fee Surf Agreement (Y/N)
N/A Intent to Commingle (Y/N)

LOCATION AND SITING:

 R649-2-3.
Unit:
 R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
☒ R649-3-3. Exception
 Drilling Unit
Board Cause No:
Eff Date:
Siting:
 R649-3-11. Directional Drill

COMMENTS: See Separate File

STIPULATIONS: 1- Federal Approval
2- Spacing Dir



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 22 T.9S R.16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

SPACING: R649-3-3 / EXCEPTION LOCATION

Field Status

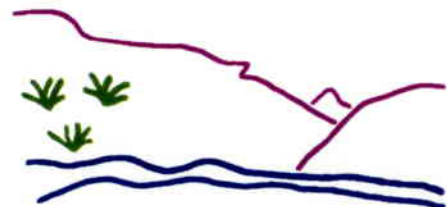
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Wells Status

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING



Utah Oil Gas and Mining



PREPARED BY: DIANA MASON
DATE: 26-MARCH-2007

NEWFIELD



ROCKY MOUNTAINS

March 29, 2007

Utah Division of Oil, Gas & Mining
P.O. Box 145801
Attn: Diana Mason
Salt Lake City, Utah 84114-5801

RE: Exception Location
Federal 12-22-9-16
2113' FSL, 349' FWL
NWSW Sec. 22-9S-16E
Duchesne County, UT

Dear Ms. Mason:

Pursuant to Rule R649-3-3 of the Oil & Gas Rules and Regulations of the State of Utah, Newfield Production Company hereby requests an exception location for the drilling of the captioned well. Rule R649-3-2 requires a well to be located in the center of a forty (40) acre quarter-quarter section, or a substantially equivalent lot or tract, with a tolerance of two hundred (200) feet in any direction from the center.

The above referenced location is an exception location under Rule 649-3-2. The Federal 12-22-9-16 is 109' west of the drilling window tolerance for the NWSW of Sec. 22-T9S-R16E. The attached plat depicts the proposed drillsite location and illustrates the deviation from the drilling window, in accordance with Rule R649-3-2. The requested location has been selected due to the terrain.

Please note the location is completely within Federal lease UTU-74392. The drillsite lease and all surrounding acreage within a four hundred sixty foot (460') radius of the proposed location is owned by Newfield Production Company, Yates Petroleum Corporation, Yates Drilling Company, Myco Industries, Inc., and Abo Petroleum Corporation. We have contacted these owners and their consent to this location is attached.

If you have any questions or need additional information please contact me at (303) 382-4479. Thank you for your assistance in this matter.

Sincerely,

Rhonda Deimer
Land Associate

RECEIVED

APR 02 2007

DIV. OF OIL, GAS & MINING

Fax to: 303-893-0103
Newfield Production Company
Attn: Rhonda Deimer

Exception Location:

Federal 12-22-9-16
UTU-74392, Duchesne County, Utah

Please be advised that Yates Petroleum Corporation, Yates Drilling Company, Myco Industries, Inc. and Abo Petroleum Corporation do not have an objection to the proposed location of the aforementioned well.

By Ernest L. Carroll
Senior Landman
Print Name and Title

ERNEST L. CARROLL

Date: 3-26-07

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

1a. Type of Work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

2. Name of Operator
Newfield Production Company

3a. Address
Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)
(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements. *)
At surface NW/SW 2113' FSL 349' FWL
At proposed prod. zone

14. Distance in miles and direction from nearest town or post office*
Approximately 24.3 miles southwest of Myton, Utah

15. Distance from proposed*
location to nearest
property or lease line, ft.
(Also to nearest drig. unit line, if any) Approx. 527' f/line, NA f/unit

16. No. of Acres in lease
2080.00

17. Spacing Unit dedicated to this well
40 Acres

18. Distance from proposed location*
to nearest well, drilling, completed,
applied for, on this lease, ft. Approx. 1580'

19. Proposed Depth
5940'

20. BLM/BIA Bond No. on file
UTB000192

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
5966' GL

22. Approximate date work will start*
3rd Quarter 2007

23. Estimated duration
Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature

Name (Printed/Typed)
Mandie Crozier

Date
3/16/07

Title

Regulatory Specialist

Approved by (Signature)

Name (Printed/Typed)

Date

Title

Office

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

RECEIVED

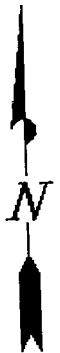
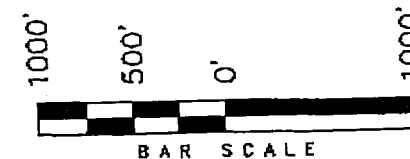
APR 02 2007

DIV. OF OIL, GAS & MINING

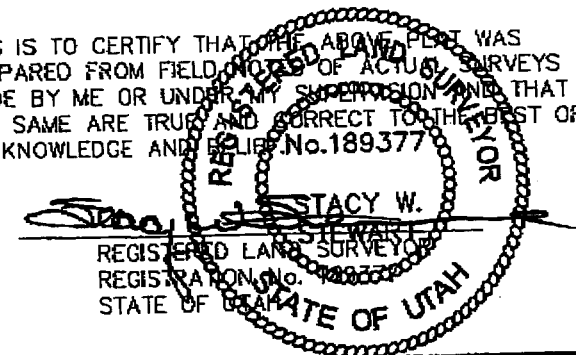
T9S, R16E, S.L.B.&M.

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, 9 MILE 12-22-9-16,
LOCATED AS SHOWN IN THE NW 1/4 SW
1/4 OF SECTION 22, T9S, R16E,
S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF. No. 189377



TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 03-14-06	SURVEYED BY: C.M.
DATE DRAWN: 02-06-07	DRAWN BY: T.C.J.
REVISED:	SCALE: 1" = 1000'

S89°57'W - 79.16 (G.L.O.) 2629.55' (Measured)
S89°57'W G.L.O. (Basis of Bearings)

S89°25'16"W - 2639.18' (Meas.)

1910
Brass Cap

1910
Brass Cap

1910
Brass Cap

WELL LOCATION:
9 MILE 12-22-9-16

ELEV. UNGRADED GROUND = 5965.7'

22

1910
Brass Cap

See Detail
At Right

DRILLING
WINDOW

349'

2113'

N89°53'02"W - 2629.46' (Meas.)

S89°58'W - 79.82 (G.L.O.)

S88°53'03"W - 2662.67' (Meas.)

1910
Brass Cap

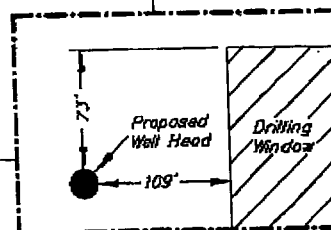
1910
Brass Cap

1910
Brass Cap

9 MILE 12-22-9-16
(Surface Location) NAD 83
LATITUDE = 40° 00' 53.69"
LONGITUDE = 110° 06' 48.83"

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;
U.S.G.S. 7-1/2 min QUAD (MYTON SE)



Detail
No Scale



State of Utah

**Department of
Natural Resources**

MICHAEL R. STYLER
Executive Director

**Division of
Oil, Gas & Mining**

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

April 5, 2007

Newfield Production Company
Rt. #3, Box 3630
Myton, UT 84052

Re: Federal 12-22-9-16 Well, 2113' FSL, 349' FWL, NW SW, Sec. 22, T. 9 South,
R. 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-33586.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Duchesne County Assessor
Bureau of Land Management, Vernal Office

Operator: Newfield Production Company
Well Name & Number Federal 12-22-9-16
API Number: 43-013-33586
Lease: UTU-74392

Location: NW SW **Sec.** 22 **T.** 9 South **R.** 16 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3. Address and Telephone No.

Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

2113 FSL 349 FWL NW/SW Section 22, T9S R16E

5. Lease Designation and Serial No.

UTU-74392

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

FEDERAL 12-22-9-16

9. API Well No.

43-013-33586

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UT.

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other **Permit Extension**

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 4/5/07.

This APD has not been approved yet by the BLM.

Approved by the
Utah Division of
Oil, Gas and Mining

RECEIVED
APR 09 2008
DIV. OF OIL, GAS & MINING

COPY SENT TO OPERATOR

Date: 4-14-2008

Initials: KS

Date: 04-09-08
By: [Signature]

14. I hereby certify that the foregoing is true and correct

Signed

[Signature]
Mandie Crozier

Title

Regulatory Specialist

Date

4/7/2008

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: Utah DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 43-013-33586
Well Name: Federal 12-22-9-16
Location: NW/SW Section 22, T9S R16E
Company Permit Issued to: Newfield Production Company
Date Original Permit Issued: 4/5/2007

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒ NA

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

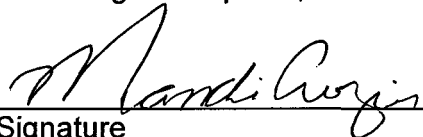
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐


Signature

4/7/2008

Date

Title: Regulatory Specialist

Representing: Newfield Production Company

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MAR 16 2007

Form 3160-3
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

BLM VERNAL, UTAH

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-74392
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. N/A
3a. Address Route #3 Box 3630, Myton UT 84052	3b. Phone No. (include area code) (435) 646-3721	8. Lease Name and Well No. Federal 12-22-9-16
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NW/SW 2113' FSL 349' FWL At proposed prod. zone		9. API Well No. 43 013 33586
14. Distance in miles and direction from nearest town or post office* Approximatley 24.3 miles southwest of Myton, Utah		10. Field and Pool, or Exploratory Monument Butte
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 527' f/lse, NA f/unit		11. Sec., T., R., M., or Blk. and Survey or Area NW/SW Sec. 22, T9S R16E
16. No. of Acres in lease 2080.00	17. Spacing Unit dedicated to this well 40 Acres	12. County or Parish Duchesne
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1560'	19. Proposed Depth 5940'	13. State UT
20. BLM/BIA Bond No. on file UTB000192	21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5966' GL	22. Approximate date work will start* 3rd Quarter 2007
23. Estimated duration Approximately seven (7) days from spud to rig release.		

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 3/16/07
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) Jesse Kerkela	Date MAR 19 2009
Title Assistant Field Manager Lands & Mineral Resources		
Office VERNAL FIELD OFFICE		

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

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*(Instructions on reverse)

UDOGM

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MAR 23 2009

DIV. OF OIL, GAS & MINING

07PP1409A

NOS 2/16/07



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4401



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Newfield Production Company
Well No: Federal 12-22-9-16
API No: 43-013-33586

Location: NWSW, Sec. 22, T9S, R16E
Lease No: UTU-74392
Agreement: N/A

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS	Karl Wright	(435) 781-4484	
NRS/Enviro Scientist	Christine Cimiluca	(435) 781-4475	
NRS/Enviro Scientist	Dan Emmett	(435) 781-3414	(435) 828-4029
NRS/Enviro Scientist	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist	Lori Ford	(435) 781-4406	
NRS/Enviro Scientist	David Gordon	(435) 781-4424	
NRS/Enviro Scientist	James Hereford	(435) 781-3412	(435) 828-3546
NRS/Enviro Scientist	Chuck Macdonald	435) 781-4441	(435) 828-7481
NRS/Enviro Scientist	Nathan Packer	(435) 781-3405	(435) 828-3545
NRS/Enviro Scientist	Paul Percival	(435) 781-4493	(435) 828-7381
NRS/Enviro Scientist	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist	Holly Villa	(435) 781-4404	(435) 828-3544
		Fax: (435) 781-3420	

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)***

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO_x per horsepower-hour.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

SITE SPECIFIC COAs:

Company/Operator: Newfield Production Company
Well Name & Number: Federal 12-22-9-16
Surface Ownership: BLM
Lease Number: UTU-74392
Onsite Date: 6/16/06
Location: NW/SW Section 22, T9S R16E
Date APD Received: 3/16/07

CONDITIONS OF APPROVAL: *(See Castle Peak EIS for standard COAs)*

Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee shall submit to the Authorized Officer (AO), on Sundry Notice Form 3160-5, an Interim/Final Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. At a minimum, this will include the reshaping of the pad to the original contour to the extent possible; the re-spreading of the top soil up to the rig anchor points; and, the area reseeded using appropriate reclamation methods. The AO will provide written approval or concurrence within 30 calendar days of receipt.

Interim Reclamation:

The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be re-contoured and the topsoil re-spread, and the area shall be seeded using a rangeland drill. Seeding depth as per AO, or seed distributor. If portions of the site are too steep (>40%), or rocky, that portion may be broadcast seeded. If broadcasting seed, the seed shall be walked into the soil with a dozer immediately after the seeding is completed, or covered by soil using a drag chain. Seeding shall occur in the fall (August 1st until snow or ground is frozen) with the following seed mix:

Seed mix:

Common name	Latin name	lbs/acre	Recommended seed planting depth
Forage Kochia	<i>Kochia Prostrata</i>	0.20	1/2"
Squirreltail grass	<i>Elymus elymoides</i>	3.0	1/4 - 1/2"
Siberian wheatgrass	<i>Agropyron fragile</i>	1.0	1/2"
Shadscale saltbush	<i>Atriplex confertifolia</i>	0.50	1/2"
Four-wing saltbush	<i>Atriplex canescens</i>	0.50	1/2"
Gardner's saltbush	<i>Atriplex gardneri</i>	0.50	1/2"
Scarlet globemallow	<i>Sphaeralcea coccinea</i>	0.10	1/8 - 1/4"

- All pounds are pure live seed.
 - All seed and mulch will be certified weed free.
 - Rates are set for drill seeding; double rate if broadcasting.
 - Reseeding may be required if initial seeding is not successful.
- **Final reclamation:**
Once the location is plugged and abandoned, the well location, access, and any disturbed areas shall be re-contoured to natural topography, topsoil shall be re-spread, and the entire location shall be seeded following guidelines in the seed mix bullet statement above. Final seed mix: same as interim unless otherwise instructed.
- Noxious and/or invasive weeds will be controlled along access roads, pipelines, well sites, and all other applicable facilities. Any noxious and/or invasive weeds outbreak, directly attributed to the activities of the Operator, will be the responsibility of the Operator to control. On BLM administered land, a Pesticide Use Proposal (PUP) must be submitted and approved prior to the application of herbicides, pesticides, or other possibly hazardous chemicals.
- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be re-contoured and the topsoil re-spread, and the area shall be seeded in the same manner as the location topsoil.
- Once the location is plugged and abandoned, it shall be re-contoured to natural topology, topsoil shall be re-spread, and the entire location shall be seeded with a seed mix recommended by the AO (see above). Seed application will follow all guidelines in the interim seed mix bullet statement above. If reclamation seeding should take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.

**DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

SITE SPECIFIC DOWNHOLE COAs:

- None

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (1/4, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion

Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3. Address and Telephone No.

Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

2113 FSL 349 FWL NW/SW Section 22, T9S R16E

5. Lease Designation and Serial No.

UTU-74392

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

FEDERAL 12-22-9-16

9. API Well No.

43-013-33586

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UT.

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other **Permit Extension**

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Newfield Production Company requests to extend the Permit to Drill this well for one year.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 04-06-09

By: [Signature]

COPY SENT TO OPERATOR

Date: 4.7.2009

Initials: KS

RECEIVED

APR 02 2009

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed

[Signature]
Mandie Crozier

Title

Regulatory Specialist

Date

3/30/2009

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: Utah DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 43-013-33586
Well Name: Federal 12-22-9-16
Location: NW/SW Section 22, T9S R16E
Company Permit Issued to: Newfield Production Company
Date Original Permit Issued: 4/5/2007

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐


Signature

3/30/2009
Date

Title: Regulatory Specialist

Representing: Newfield Production Company

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APR 02 2009

DIV. OF OIL, GAS & MINING

Spud

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig
Name/# Ross # 29 Submitted By Justin Crum Phone Number
823-6733
Well Name/Number Federal 12-22-9-16
Qtr/Qtr NW/SW Section 22 Township 9s Range 16e
Lease Serial Number UTU-74392
API Number 43-013-33586

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 4/28/09 9:00
AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 4/28/09 2:00 AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time _____ AM ☐ PM ☐

Remarks _____

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM - FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY
ADDRESS: RT. 3 BOX 3630
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	12418 ✓	4301334076	WEST POINT FEDERAL G-6-9-16	SE NW	6	9S	16E	DUCHESNE	4/25/2009	5/19/09
WELL 1 COMMENTS: GRRV BHL = SENW											
B	99999	12417 ✓	4301334161	LONE TREE FEDERAL 14-21-9-17	SE SW	21	9S	17E	DUCHESNE	4/29/2009	5/19/09
GRRV											
A	99999	17310	4301333424	FEDERAL 2-29-9-16	NW NE	29	9S	16E	DUCHESNE	4/28/2009	5/19/09
GRRV											
B	99999	11880 ✓	4301334122	BELUGA STATE G-16-9-17	NENW	16	9S	17E	DUCHESNE	4/17/2009	5/19/09
GRRV BHL = NENW											
A	99999	17311	4301333586	FEDERAL 12-22-9-16	NW SE	22	9S	16E	DUCHESNE	4/28/2009	5/19/09
WELL 5 COMMENTS: GRRV NWSW											
A	99999	17312	4301334230	STATE 5-36-8-15	SW NW	36	8S	15E	DUCHESNE	4/27/2009	5/19/09
WELL 5 COMMENTS: GRRV											

ACTION CODES (See instructions on back of form)

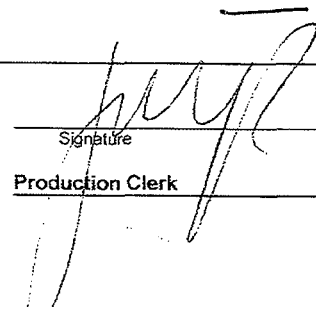
- A - 1 new entity for new well (single well only)
- B - well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected

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APR 30 2009

DIV. OF OIL, GAS & MINING

Signature: 
Production Clerk
Date: 4/30/09
Jentri Park
04/27/09

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address

Route 3 Box 3630
Myton, UT 84052

3b. Phone (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2113 FSL 349 FWL

NWSW Section 22 T9S R16E

5. Lease Serial No.

UTU-74392

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

8. Well Name and No.

FEDERAL 12-22-9-16

9. API Well No.

4301333586

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 6/28/09 MIRU NDSI Rig # 1. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 271'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 5890'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 148 jt's of 5.5 J-55, 15.5# csgn. Set @ 5881.89' KB. Cement with 275 sks cement mixed @ 11.0 ppg & 3.43 yld. The 400 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 35 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 92,000 #'s tension. Release rig @ 5:30 pm 7/2/09.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Don Bastian

Title

Drilling Foreman

Signature

Date

07/03/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

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JUL 13 2009

DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2"	CASING SET AT	5881.89
--------	---------------	---------

LAST CASING	<u>8 5/8"</u>	SET AT	<u>325</u>
DATUM	<u>12</u>		
DATUM TO CUT OFF CASING		<u>12</u>	
DATUM TO BRADENHEAD FLANGE			<u>12</u>
TD DRILLER	<u>5890</u>	LOGC	<u>5888</u>
HOLE SIZE	<u>7 7/8"</u>		

OPERATOR Newfield Exploration Company
WELL FEDERAL 12-22-9-16
FIELD/PROSPECT MBU
CONTRACTOR & RIG # ND SI # 1

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	COND T	LENGTH
1	5 1/2"	Landing Jt	15.5#	J-55	8rd	A	14
148	5 1/2"	LT&C Casing	15.5#	J-55	8rd	A	5828.39
1	5 1/2"	Float Collar	-----	-----	-----	A	0.6
1	5 1/2"	LT&C Casing	15.5#	J-55	8rd	A	40.25
1	5 1/2"	Guide Shoe			8rd	A	0.65
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			5883.89
TOTAL LENGTH OF STRING		5883.89		LESS CUT OFF PIECE			14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		160.15	4	CASING SET DEPTH			5,881.89
TOTAL		6028.79	4				
TOTAL CSG. DEL. (W/O THRDS)		6028.79	153	} COMPARE			
TIMING							
BEGIN RUN CSG.	Spud	7:00 AM	7/2/2009	GOOD CIRC THRU JOB			Yes
CSG. IN HOLE		10:00 AM	7/2/2009	Bbls CMT CIRC TO SURFACE			35
BEGIN CIRC		10:30 AM	7/2/2009	RECIPROCATED PIPI			Yes
BEGIN PUMP CMT		11:30 AM	7/2/2009				
BEGIN DSPL. CMT		12:23 PM	7/2/2009	BUMPED PLUG TO			1600
PLUG DOWN		12:49 PM	7/2/2009				

CENTRALIZER & SCRATCHER PLACEMENT	SHOW MAKE & SPACING
Middle 1st Top 2nd & 3rd Then Top Of Every 3rd For Total Of 20.	

DATE **7/2/2009**

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:
USA UTU-74392

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ OTHER ☐

8. WELL NAME and NUMBER:
FEDERAL 12-22-9-16

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301333586

3. ADDRESS OF OPERATOR:
Route 3 Box 3630 CITY Myton STATE UT ZIP 84052

PHONE NUMBER
435.646.3721

10. FIELD AND POOL, OR WILDCAT:
MONUMENT BUTTE

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 2113 FSL 349 FWL

COUNTY: DUCHESNE

OTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW, 22, T9S, R16E

STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON	
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 08/19/2009	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report	
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 07/22/09, attached is a daily completion status report.

NAME (PLEASE PRINT) Jentri Park

TITLE Production Clerk

SIGNATURE

DATE 08/19/2009

(This space for State use only)

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AUG 24 2009

DIV. OF OIL, GAS & MINING

Daily Activity Report**Format For Sundry****FEDERAL 12-22-9-16****5/1/2009 To 9/30/2009****7/15/2009 Day: 1****Completion**

Rigless on 7/15/2009 - Run CBL & shoot first stage. - Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5798' cement top @ 56'. Perforate stage #1. CP3 sds @ 5535-45' w/ 3 1/8" slick guns (19 gram, .49" EH, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 3 spf for total of 30 shots. 139 BWTR. SWIFN.

Daily Cost: \$0**Cumulative Cost: \$12,189****7/16/2009 Day: 2****Completion**

Rigless on 7/16/2009 - Frac 4 stages & flow well back. - Stage #2, LODC sands. RU BJ Services. 1585 psi on well. Frac LODC sds w/ 65,879#'s of 20/40 sand in 147 bbls of Lightning 17 fluid. Broke @ 4055 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2717 psi @ ave rate of 23 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISDP 2674 psi. Leave pressure on well. RU PSI WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 6' & 2' perf guns. Miss fire on plug. POOH w/ wireline. RIH w/ wireline. Set plug @ 5020'. Perforate A3 & B2 sds @ 4938-44' & 4808-10' w/ 3 1/8" slick guns (13 gram, .34" EH, 120°, 21" pen) w/ 3 spf for total of 24 shots. 981 BWTR - Stage #1, CP3 sands. RU BJ Services. 45 psi on well. Frac CP3 sds w/ 34,344#'s of 20/40 sand in 249 bbls of Lightning 17 fluid. Broke @ 3545 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1839 psi @ ave rate of 23.3 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISDP 1725 psi. Leave pressure on well. RU PSI WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 10' perf gun. Set plug @ 5345'. Perforate LODC sds @ 5265-75' w/ 3 1/8" slick guns (13 gram, .34" EH, 120°, 21" pen) w/ 3 spf for total of 30 shots. 560 BWTR - Stage #3, A3 & B2 sands. RU BJ Services. 2027 psi on well. Frac A3 & B2 sds w/ 34,625#'s of 20/40 sand in 285 bbls of Lightning 17 fluid. Broke @ 3201 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2143 psi @ ave rate of 25.8 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISDP 1881 psi. Leave pressure on well. RU PSI WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 4', 3' & 2' perf guns. Set plug @ 4750'. Perforate C sds @ 4699-4703' 4690-93 & 4674-76' w/ 3 1/8" slick guns (13 gram, .34" EH, 120°, 21" pen) w/ 3 spf for total of 27 shots. 1544 BWTR - Stage #4, C sands. RU BJ Services. 45 psi on well. Frac C sds w/ 34,344#'s of 20/40 sand in 249 bbls of Lightning 17 fluid. Broke @ 3545 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1839 psi @ ave rate of 23.3 BPM. ISDP 1725 psi. 560 BWTR. Open well for immediate flowback @ 3 BPM. Well flowed for 5 1/2 hours & died. Recovered 792 bbls. 933 BWTR.

Daily Cost: \$0**Cumulative Cost: \$90,960****7/20/2009 Day: 3****Completion**

WWS #3 on 7/20/2009 - MIRU WWS #3. PU 108- jts 2 7/8" J-55 6.5# 8rd EUE tbg. - MIRU WWS#3. Check pressure on well, 150 psi. Bleed pressure off well. ND frac BOPs & wellhead. NU production wellhead & BOPs. RU rig floor & tbg equipment. MU 4 3/4" chomp bit. PU &

talley 108- jts 2 7/8" J-55 6.5# 8rd EUE tbg. RU pump & pump lines. SWIFN. 933 BWTR.

Daily Cost: \$0

Cumulative Cost: \$94,872

7/22/2009 Day: 4

Completion

WWS #3 on 7/22/2009 - Drill out plugs & swab. - Check pressure on well, 0 psi. Continue PU & TIH w/ tbg, tag plug @ 4750'. RU power swivel, pump & pump lines. Drill out plug in 19 min. Continue PU & TIH w/ tbg, tag plug @ 5020'. Drill out plug in 25 min. Continue PU & TIH w/ tbg, tag fill @ 5335'. Clean out to plug @ 5345', drill out plug in 25 min. Continue PU & TIH w/ tbg, tag fill @ 5619'. Clean out to PBTD @ 5840'. LD 2- jts tbg. RU sandline. Made 9 swab runs w/ SFL @ surface & EFL @ 1100'. Recovered 90 bbls ending w/ trace of oil & gas, no show of sand. TIH w/ 2 jts tbg & tag PBTD @ 5840' (no new fill). Circulate well clean. LD tbg used to clean out. TOOH w/ 54- jts tbg. SWIFN. 1123 BWTR.

Daily Cost: \$0

Cumulative Cost: \$100,847

7/23/2009 Day: 5

Completion

WWS #3 on 7/23/2009 - Run production tbg & PU rods. - Continue TOOH w/ tbg, LD bit sub & bit. TIH w/ production tbg as follows: 2 7/8" NC, 2- jts 2 7/8" J-55 6.5# 8 rd EUE tbg, SN, 2- jts tbg, TA, 174- jts tbg. RD rig floor. ND BOPs. Set TA @ 5491' w/ 19,000# tension. NU wellhead. X-over for rods. Flush tbg w/ 60 BW. PU & prime Central Hydraulic 2 1/2" X 1 1/2" X 16' X 20' RHAC pump. PU & TIH w/ rods as follows: 6- 1 1/2" weight rods, 20- 3/4" guided rods, 95- 3/4" guided rods, 101- 3/4" guided rods, 1- 2' X 3/4" pony rod & 1 1/2" X 26' polished rod. RU pumping unit. Fill tbg w/ 3 BW. Stroke test pump w/ unit to 800 psi. RDMOSU. PWOP @ 3:30 PM w/ 84" SL & 5 SPM. 1138 BWTR. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$159,980

Pertinent Files: Go to File List

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resrv.,
Other: _____

2. Name of Operator
NEWFIELD EXPLORATION COMPANY3. Address
1401 17TH ST. SUITE 1000 DENVER, CO 802023a. Phone No. (include area code)
(435)646-3721

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

2113' FSL & 349' FWL (NW/SW) SEC. 22, T9S, R16E

At surface

At top prod. interval reported below

At total depth 5890'

14. Date Spudded
04/28/200915. Date T.D. Reached
07/01/200916. Date Completed 07/22/2009
☐ D & A ☒ Ready to Prod.17. Elevations (DF, RKB, RT, GL)*
5966' GL 5978' KB18. Total Depth: MD 5890'
TVD19. Plug Back T.D.: MD 5840'
TVD20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

✓ DUAL IND GRD, SP, ✓ COMP. DENSITY, COMP. NEUTRON, GR, CALIPER, CMT BOND

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit report)
Directional Survey? ☒ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cement Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#		325.7'		160 CLASS G			
7-7/8"	5-1/2" J-55	15.5#		5881.89'		275 PRIMLITE		56'	
						401 50/50 POZ			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@ 5619'	TA @5492'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GREEN RIVER			(CP3) 5535-5545'	.49"	3	30
B) GREEN RIVER			(LODC) 5265-5275'	.49"	3	30
C) GREEN RIVER			(A3) 4938-44(B2) 4808-10'	.49"	3	24
D) GREEN RIVER			C) 4699-03, 4690-93, 4674-7	.49"	3	27

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
5535-5545'	Frac CP3 sds w/ 34,344#s of 20/40 sand in 249 bbls of Lightning 17 fluid.
5265-5275'	Frac LODC sds w/ 65,879#s of 20/40 sand in 147 bbls of Lightning 17 fluid.
4808-4944'	Frac A3 & B2 sds w/ 34,625#s of 20/40 sand in 285 bbls of Lightning 17 fluid.
4674-4703'	Frac C sds w/ 34,344#s of 20/40 sand in 249 bbls of Lightning 17 fluid.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
07/22/09	08/17/09	24	→	66	43	20			Central Hydraulic 2 1/2" X 1 1/2" X 16' X 20' RHAC rod pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					PRODUCING	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

*(See instructions and spaces for additional data on page 2)

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AUG 24 2009

DIV. OF OIL, GAS & MINING

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MRK GARDEN GULCH 1	3533' 3742'
				GARDEN GULCH 2 POINT 3	3855' 4095'
				X MRKR Y MRKR	4362' 4394'
				DOUGALS CREEK MRK BI CARBONATE MRK	4509' 4740'
				B LIMESTON MRK CASTLE PEAK	4836' 5365'
				BASAL CARBONATE TOTAL DEPTH (LOGGERS)	5829' 5889'

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Tammi LeeTitle Production ClerkSignature Tammi LeeDate 08/19/2009

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

(Form 3160-4, page 2)



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OCT 04 2013

October 2, 2013

DIV. OF OIL, GAS & MINING

Newfield Exploration Company

1001 17th Street | Suite 2000

Denver, Colorado 80202

PH 303-893-0102 | FAX 303-893-0103

Mr. Mark Reinbold
State of Utah
Division of Oil, Gas and Mining
1594 W North Temple
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well
Federal #12-22-9-16
Monument Butte Field, Lease #UTU-74392
Section 22-Township 9S-Range 16E
Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Federal #12-22-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

Eric Sundberg
Environmental Manager

NEWFIELD PRODUCTION COMPANY
APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL
FEDERAL #12-22-9-16
MONUMENT BUTTE FIELD (GREEN RIVER) FIELD
LEASE #UTU-74392
OCTOBER 2, 2013

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STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Newfield Production Company
ADDRESS 1001 17th Street, Suite 2000
Denver, Colorado 80202

Well Name and number: Federal #12-22-9-16
Field or Unit name: Monument Butte (Green River) Lease No. UTU-74392
Well Location: QQ NWSW section 22 township 9S range 16E county Duchesne

Is this application for expansion of an existing project? Yes [X] No []

Will the proposed well be used for: Enhanced Recovery? Yes [X] No []
 Disposal? Yes [] No [X]
 Storage? Yes [] No [X]

Is this application for a new well to be drilled? Yes [] No [X]

If this application is for an existing well,
has a casing test been performed on the well? Yes [] No [X]

Date of test: _____

API number: 43-013-33586

Proposed injection interval: from 3855 to 5840
Proposed maximum injection: rate 500 bpd pressure TBD psig
Proposed injection zone contains [x] oil, [] gas, and/or [] fresh water within 1/2
mile of the well.

IMPORTANT: Additional information as required by R615-5-2 should
accompany this form.

List of Attachments: Attachments "A" through "H-1"

I certify that this report is true and complete to the best of my knowledge.

Name: Eric Sundberg Signature 
Title Environmental Manager Date 10/2/13
Phone No. (303) 893-0102

(State use only)
Application approved by _____ Title _____
Approval Date _____

Comments:

Spud Date: 4/28/2009
Put on Production: 7/22/2009
GL: 5966' KB: 5978'

Federal 12-22-9-16

Proposed Injection Wellbore Diagram

SURFACE CASING

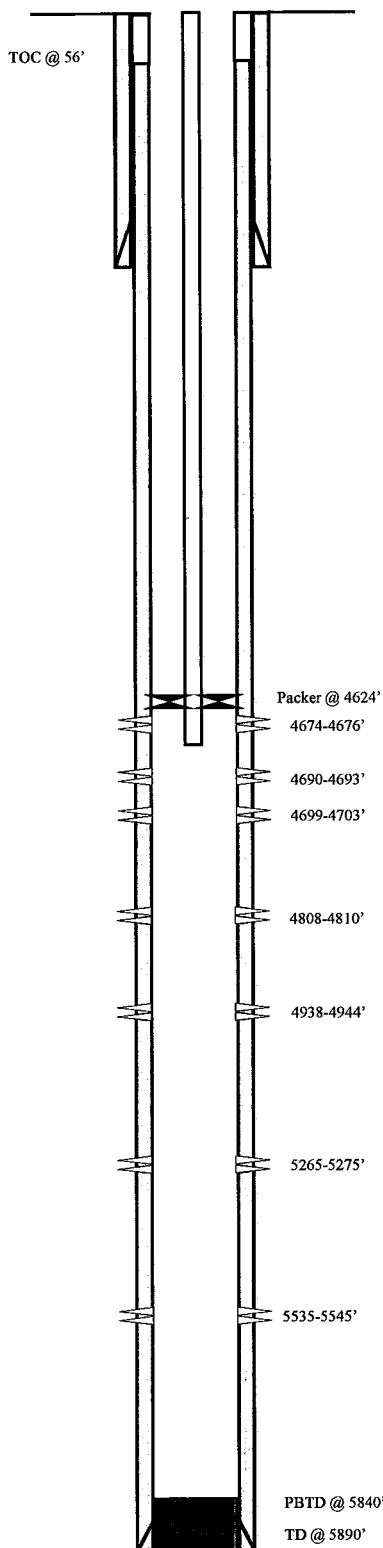
CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 8 jts (313.85')
HOLE SIZE: 12-1/4"
DEPTH LANDED: 325.7' KB
CEMENT DATA: 160 sxs Class 'G', circ. 4 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 149 jts (5868.64')
HOLE SIZE: 7 7/8"
DEPTH LANDED: 5881.89'
CEMENT DATA: 275 sxs Prem. Lite and 401 sxs 50/50 POZ
CEMENT TOP AT: 56' per CBL 7/14/09

TUBING (GI 6/24/11)

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 174jts (5471.71')
TUBING ANCHOR: 5483.71' KB
NO. OF JOINTS: 2 jts (62.87')
SEATING NIPPLE: 2-7/8" (1.1')
SN LANDED AT: 5549.38' KB
NO. OF JOINTS: 2 jts (63.08')
NOTCHED COLLAR: 2-7/8" (0.45')
TOTAL STRING LENGTH: EOT @ 5614.01'



FRAC JOB

7-23-09 5535-5545' **Frac CP3 sands as follows:**
Frac with 34,344# 20/40 sand in 249 bbls of Lightning 17 fluid.

7-23-09 5265-5275' **Frac LODC sands as follows:**
Frac with 65,879# 20/40 sand in 147 bbls of Lightning 17 fluid.

7-23-09 4808-4944' **Frac A3 & B2 sands as follows:**
Frac with 34,625# 20/40 sand in 285 bbls of Lightning 17 fluid.

7-23-09 4674-4703' **Frac C sands as follows:**
Frac with 34344# 20/40 sand in 249 bbls of Lightning 17 fluid.

03/16/2011 **Tubing Leak.** Rod & tubing detail updated.

PERFORATION RECORD

5535-5545'	3 JSPF	30 holes
5265-5275'	3 JSPF	30 holes
4938-4944'	3 JSPF	18 holes
4808-4810'	3 JSPF	6 holes
4699-4703'	3 JSPF	12 holes
4690-4693'	3 JSPF	9 holes
4674-4676'	3 JSPF	6 holes

NEWFIELD

Federal 12-22-9-16

2113' FSL & 349' FWL NW/SW

Section 22-T9S-R16E

Duchesne Co, Utah

API # 43-013-33586; Lease # UTU-74392

JL 9/18/2013

WORK PROCEDURE FOR INJECTION CONVERSION

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down and move out.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS
RULE R649-5-1**

- 1. Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
- 2. A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

2.1 The name and address of the operator of the project.

Newfield Production Company
1001 17th Street, Suite 2000
Denver, Colorado 80202

2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.

See Attachment A.

2.3 A full description of the particular operation for approval is requested.

Approval is requested to convert the Federal #12-22-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

2.4 A description of the pools from which the identified wells are producing or have produced.

The proposed injection well will inject into the Green River Formation.

2.5 The names, description and depth of the pool or pools to be affected.

The injection zone is in the Green River Formation. For the Federal #12-22-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3855' - 5840'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3533' and the TD is at 5890'.

2.6 A copy of a log of a representative well completed in the pool.

The referenced log for the Federal #12-22-9-16 is on file with the Utah Division of Oil, Gas and Mining.

2.8 The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed TBD psig.

2.9 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.

The minimum fracture gradient for the Federal #12-22-9-16, for existing perforations (4674' - 5545') calculates at TBD psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is TBD psig. We may add additional perforations between 3533' and 5890'. See Attachments G and G-1.

2.10 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.

In the Federal #12-22-9-16, the proposed injection zone (3855' - 5840') is in the Garden Gulch to the Basal Carbonate of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

2.11 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.

See Attachments E through E-10.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

2.12 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.

See Attachment C.

2.13 Any other information that the Board or Division may determine is necessary to adequately review the application.

Newfield Production Company will supply any requested information to the Board or Division.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,
STORAGE AND ENHANCED RECOVERY WELLS
SECTION V – RULE R649-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**
 - 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.
 - 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.
 - 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.
 - 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.
 - 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24# surface casing run to 326' KB, and 5-1/2", 15.5# casing run from surface to 5882' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.
 - 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.
 - 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators or owners and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

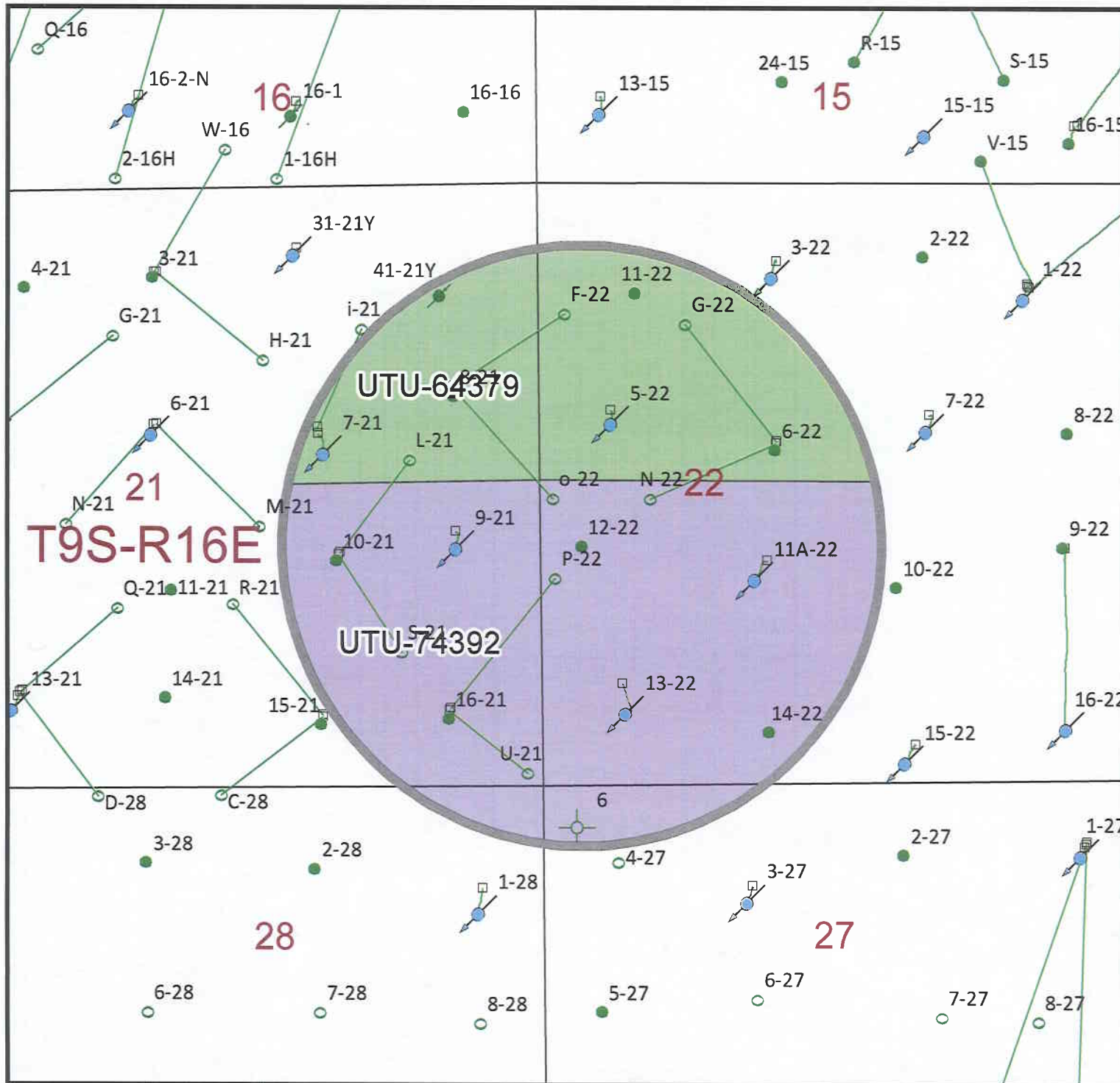
See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a Federal lease (Lease #UTU-74392) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.



Lease Number

UTU-64379


UTU-74392

Half-Mile Buffer

Well Status

- Location
- ⊕ CTI
- ⊕ Surface Spud
- ⊕ Drilling
- ⊕ Waiting on Completion
- Producing Oil Well
- ⊕ Producing Gas Well
- ⊕ Water Injection Well
- ⊕ Dry Hole
- ⊕ Temporarily Abandoned
- ⊕ Plugged & Abandoned
- ⊕ Shut In

Federal 12-22-9-16
Section 22, T9S-R16E



NEWFIELD
ROCKY MOUNTAINS

1 in = 1,250 feet

1/2 Mile Radius Map

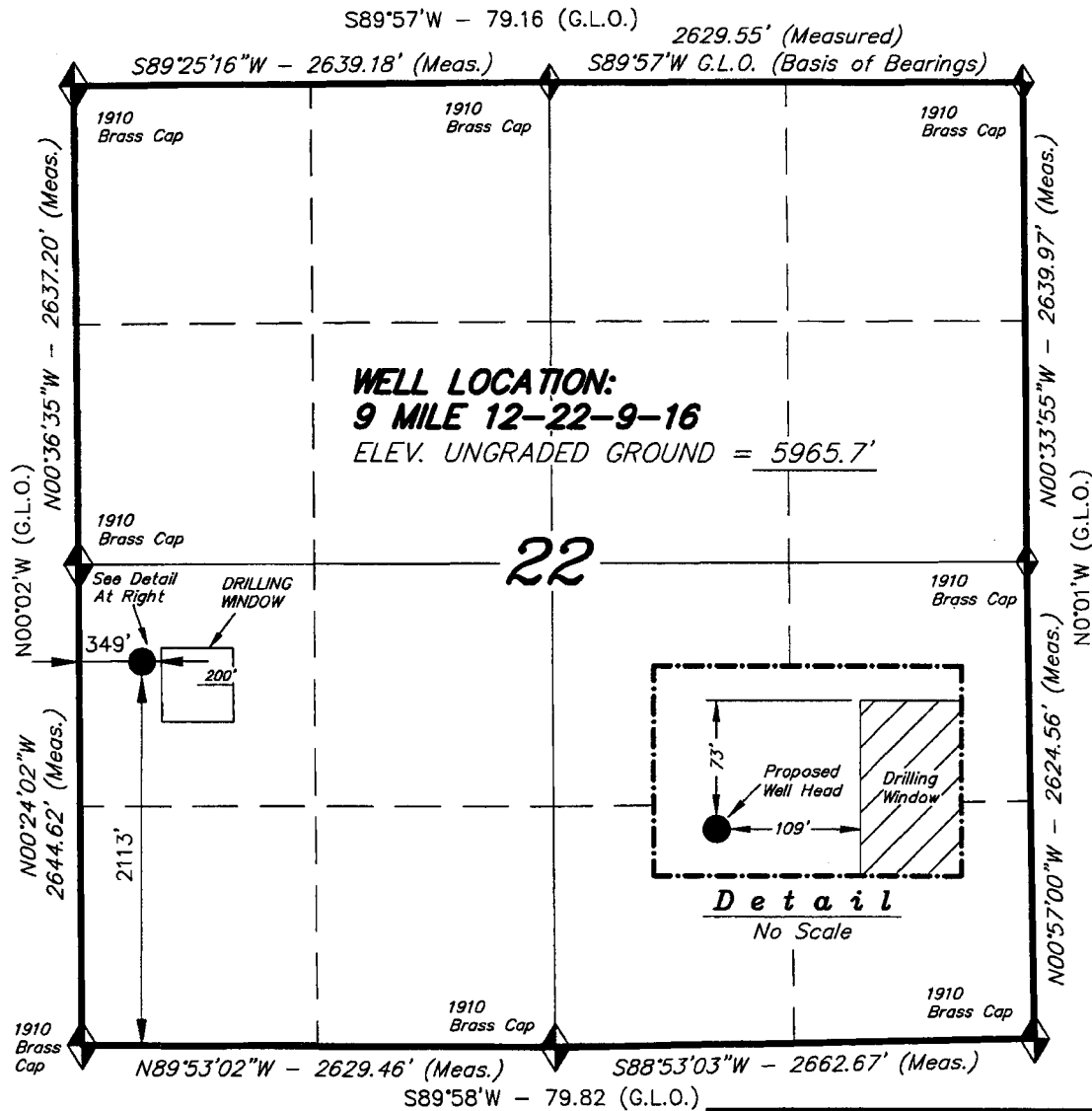
Duchesne County

1001 17th Street Suite 2000
Denver, Colorado 80202
Phone: (303) 883-0102

August 15, 2013

T9S, R16E, S.L.B.&M.**NEWFIELD PRODUCTION COMPANY**

WELL LOCATION, 9 MILE 12-22-9-16,
LOCATED AS SHOWN IN THE NW 1/4 SW
1/4 OF SECTION 22, T9S, R16E,
S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF. No. 189377

Stacy W. [Signature]
REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;
U.S.G.S. 7-1/2 min QUAD (MYTON SE)

9 MILE 12-22-9-16
(Surface Location) NAD 83
LATITUDE = 40° 00' 53.69"
LONGITUDE = 110° 06' 48.83"

TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 03-14-06	SURVEYED BY: C.M.
DATE DRAWN: 02-06-07	DRAWN BY: T.C.J.
REVISED:	SCALE: 1" = 1000'

EXHIBIT B

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	T9S-R16E SLM Section 21: S2 Section 22: NENE, S2 Section 23: SWSW Section 24: SESE Section 26: NENE Section 27: All Section 28: All	USA UTU-74392 HBP	Newfield Production Company Newfield RMI LLC ABO Petro Corp MYCO Industries Inc OXY Y-1 Company Yates Petroleum Corp	USA
2	T9S-R16E SLM Section 8: SWNE, SE Section 9: SWSW Section 17: NE Section 18: E2SW, SE, LOTS 3, 4 Section 19: NE, E2NW, LOTS 1, 2 Section 21: N2 Section 22: W2NE, SENE, NW	USA UTU-64379 HBP	Newfield Production Company Newfield RMI LLC Yates Petroleum Corp	USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well
Federal #12-22-9-16

I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: _____

Newfield Production Company
Eric Sundberg
Environmental Manager

Sworn to and subscribed before me this 2nd day of October, 2013.

Notary Public in and for the State of Colorado: Lydi Bunde

My Commission Expires: 12/31/15

LYDIA BIONDO
Notary Public
State of Colorado

Spud Date: 4/28/2009
Put on Production: 7/22/2009
GL: 5966' KB: 5978'

Federal 12-22-9-16

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 8 jts (313.85')
HOLE SIZE: 12-1/4"
DEPTH LANDED: 325.7' KB
CEMENT DATA: 160 sxs Class 'G', circ. 4 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 149 jts (5868.64')
HOLE SIZE: 7 7/8"
DEPTH LANDED: 5881.89'
CEMENT DATA: 275 sxs Prem. Lite and 401 sxs 50/50 POZ
CEMENT TOP AT: 56' per CBL 7/14/09

TUBING (GI 6/24/11)

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 174jts (5471.71')
TUBING ANCHOR: 5483.71' KB
NO. OF JOINTS: 2 jts (62.87')
SEATING NIPPLE: 2-7/8" (1.1')
SN LANDED AT: 5549.38' KB
NO. OF JOINTS: 2 jts (63.08')
NOTCHED COLLAR: 2-7/8" (0.45')
TOTAL STRING LENGTH: EOT @ 5614.01'

SUCKER RODS (GI 6/24/11)

POLISHED ROD: 1-1/2" X 26' polished rod
SUCKER RODS: 2', 4', 8' x 3/4" pony rod, 100 x 3/4" (4 per) guided rods, 75 x 3/4" sucker rods, 40 x 3/4" guided rods, 6 x 4' x 1-1/2" sinker bars.
PUMP SIZE: 2-1/2" x 1-1/4" x 16' x 20' RHAC pump
STROKE LENGTH: 86"
PUMP SPEED, SPM: 4.3
PUMPING UNIT: WEATHERFORD C-228-213-86

FRAC JOB

7-23-09 5535-5545' **Frac CP3 sands as follows:**
Frac with 34,344# 20/40 sand in 249 bbls of Lightning 17 fluid.

7-23-09 5265-5275' **Frac LODC sands as follows:**
Frac with 65,879# 20/40 sand in 147 bbls of Lightning 17 fluid.

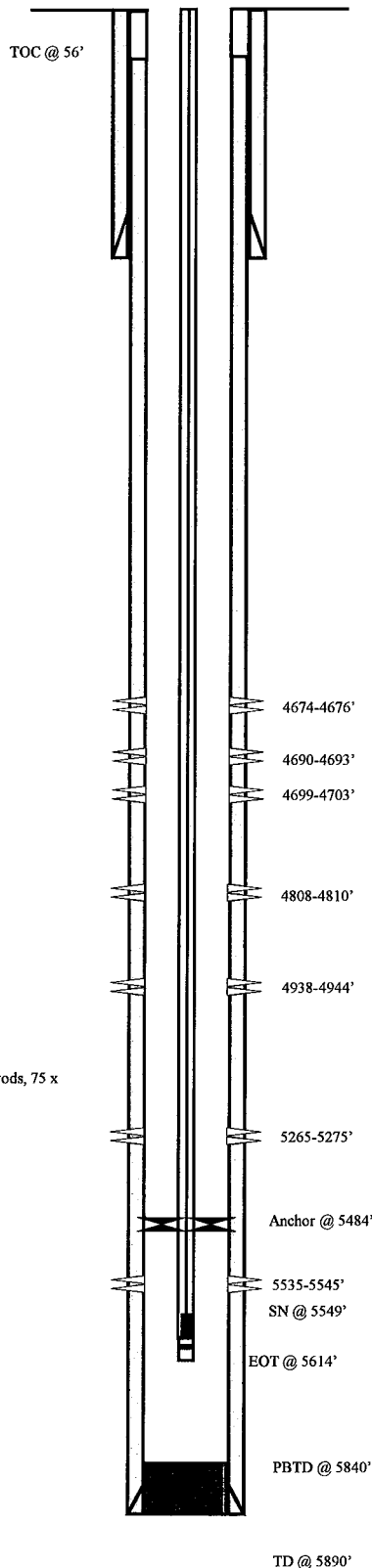
7-23-09 4808-4944' **Frac A3 & B2 sands as follows:**
Frac with 34,625# 20/40 sand in 285 bbls of Lightning 17 fluid.

7-23-09 4674-4703' **Frac C sands as follows:**
Frac with 34344# 20/40 sand in 249 bbls of Lightning 17 fluid.

03/16/2011 **Tubing Leak.** Rod & tubing deetail updated.

PERFORATION RECORD

5535-5545' 3 JSPF 30 holes
5265-5275' 3 JSPF 30 holes
4938-4944' 3 JSPF 18 holes
4808-4810' 3 JSPF 6 holes
4699-4703' 3 JSPF 12 holes
4690-4693' 3 JSPF 9 holes
4674-4676' 3 JSPF 6 holes



Federal 12-22-9-16

2113' FSL & 349' FWL NW/SW

Section 22-T9S-R16E

Duchesne Co, Utah

API # 43-013-33586; Lease # UTU-74392

GI 4/11/13

Spud Date: 4-27-07

Put on Production: 7-19-07

GL: 6006' KB: 6018'

Federal 7-21-9-16

Injection Wellbore
DiagramSURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts (306.20')

DEPTH LANDED: 318.05' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 138 jts. (6095.73')

DEPTH LANDED: 6094.98' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.

CEMENT TOP AT: 236'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 145 jts (4541.8')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 4553.8'

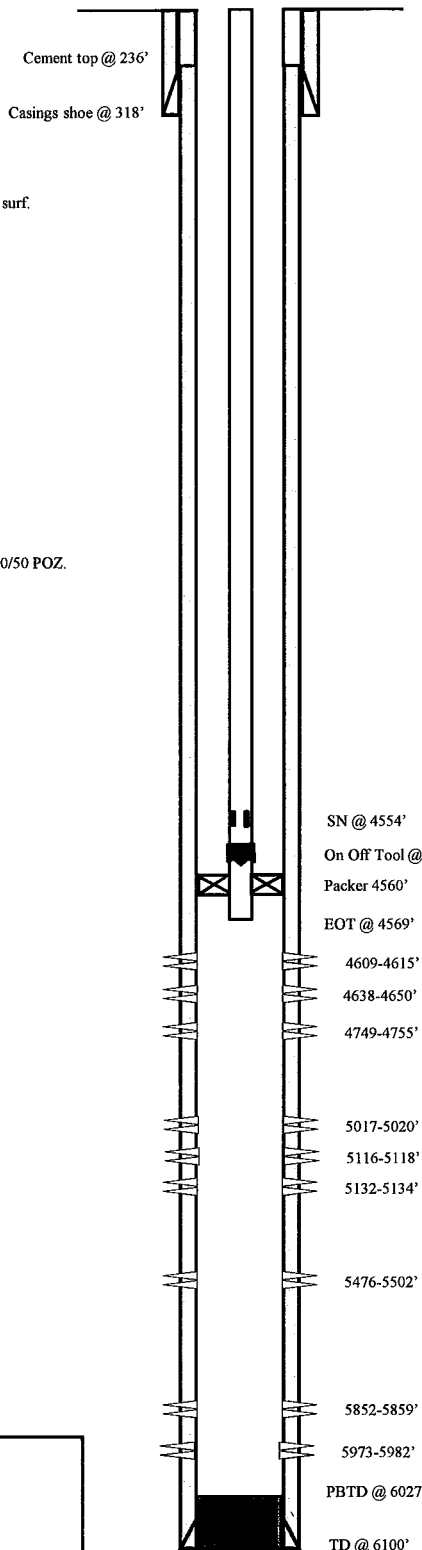
ON/OFF TOOL AT: 4554.9'

ARROW #1 PACKER CE AT: 4559.85'

XO 2-3/8 x 2-7/8 J-55 AT: 4563.6'

TBG PUP 2-3/8 J-55 AT: 4564.1'

TOTAL STRING LENGTH: EOT @ 4569'

FRAC JOB

07-11-07	5973-5982'	Frac BSC sands as follows: 40929# 20/40 sand in 364 bbls Lightning 17 frac fluid. Treated @ avg press of 2699 psi w/avg rate of 24.8 BPM. ISIP 3967 psi. Calc flush: 5971 gal. Actual flush: 2129 gal.
07-16-07	5852-5859'	Frac BSC sands as follows: 15775# 20/40 sand in 299 bbls Lightning 17 frac fluid. Treated @ avg press of 2760 psi w/avg rate of 22.3 BPM. ISIP 2583 psi. Calc flush: 5850 gal. Actual flush: 5376 gal.
07-16-07	5476-5502'	Frac CPI sands as follows: 116102# 20/40 sand in 859 bbls Lightning 17 frac fluid. Treated @ avg press of 1840 psi w/avg rate of 24.4 BPM. ISIP 2275 psi. Calc flush: 5474 gal. Actual flush: 4956 gal.
07-16-07	4749-4755'	Frac C sand as follows: 24885# 20/40 sand in 348 bbls Lightning 17 frac fluid. Treated @ avg press of 2138 w/ avg rate of 2448 BPM. ISIP 1780 psi. Calc flush: 4747 gal. Actual flush: 4284 gal.
07-16-07	4609-4650'	Frac D1 & D2 sand as follows: 53260# 20/40 sand in 585 bbls Lightning 17 frac fluid. Treated @ avg press of 2082 w/ avg rate of 24.5 BPM. ISIP 1820 psi. Calc flush: 4691 gal. Actual flush: 4494 gal.
11-26-07		Pump Change. Updated rod & tubing details.
10/30/09		Pump Change. Updated rod & tubing details.
8/16/11		Parted Rods. Updated rod & tubing details.
09/24/12	5116 - 5134'	Frac LODC sand as follows: 23425# 20/40 sand in 360bbls Lightning 17 frac fluid
09/24/12	5017 - 5020'	Frac A3 sand as follows: 18616# 20/40 sand in 269bbls Lightning 17 frac fluid
09/25/12		Convert to Injection Well
09/27/12		Conversion MIT Finalized – update tbg detail

PERFORATION RECORD

07-05-07	5973-5982'	4 JSPF	36 holes
07-16-07	5852-5859'	4 JSPF	28 holes
07-16-07	5476-5502'	4 JSPF	104 holes
07-16-07	4749-4755'	4 JSPF	24 holes
07-16-07	4638-4650'	4 JSPF	48 holes
07-16-07	4609-4615'	4 JSPF	24 holes
09/20/12	5132-5134'	3 JSPF	6 holes
09/20/12	5116-5118'	3 JSPF	6 holes
09/20/12	5017-5020'	3 JSPF	9 holes

NEWFIELD**Federal 7-21-9-16**

2172' FNL & 1967' FEL

SW/NE Section 21-T9S-R16E

Duchesne Co, Utah

API # 43-013-33022; Lease # UTU-64379

LCN 10/01/12

Spud Date: 07/31/09
 Put on Production: 09/02/09
 GL: 5970' KB: 5982'

Federal 9-21-9-16

Injection Wellbore
DiagramSURFACE CASING

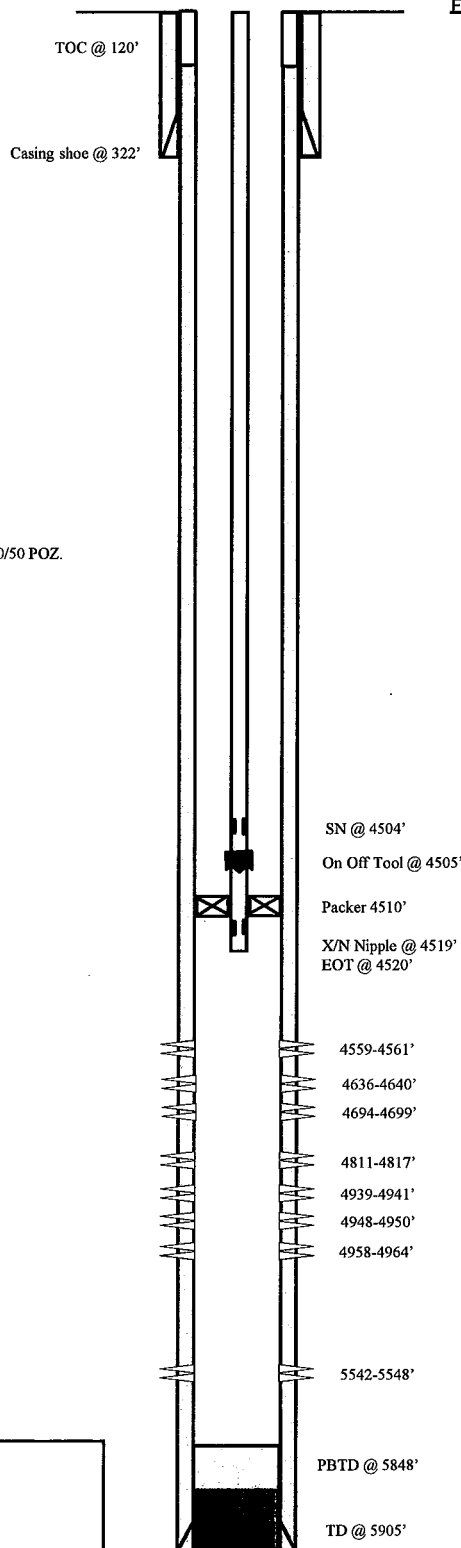
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 6 jts. (264')
 DEPTH LANDED: 322'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 140 jts. (5836')
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 5887.85'
 CEMENT DATA: 260 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP AT: 120'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 141 jts (4492.4')
 SEATING NIPPLE: 2-7/8" (1.1')
 SN LANDED AT: 4504.4' KB
 ON/OFF TOOL AT 4505.5'
 PACKER 5-1/2" AT: 4510'
 XO AT: 4513'
 TBG PUP 2-3/8" AT: 4514.4'
 X/N NIPPLE AT: 4518.6'
 TOTAL STRING LENGTH: EOT @ 4520'

FRAC JOB

9-2-09	5542-5548'	Frac CP3 sands as follows: Frac with 15136# 20/40 sand in 122 bbls Lightning 17 fluid.
9-2-09	4939-4964'	Frac A3 sands as follows: Frac with 115669# 20/40 sand in 698 bbls Lightning 17 fluid.
9-2-09	4811-4817'	Frac B2 sands as follows: Frac with 25293# 20/40 sand in 204 bbls Lightning 17 fluid.
9-2-09	4559-4699'	Frac C, D1, & D3 sands as follows: Frac with 111451# 20/40 sand in 635 bbls Lightning 17 fluid.
11/25/10		Pump Change. Rod & tubing updated.
3/30/11		Tubing leak. Rod & tubing detail updated.
09/12/12		Convert to Injection Well
09/14/12		Conversion MIT Finalized -- updtg tbg detail

PERFORATION RECORD

5542-5548'	3 JSPF	18 holes
4958-4964'	3 JSPF	18 holes
4948-4950'	3 JSPF	6 holes
4939-4941'	3 JSPF	6 holes
4811-4817'	3 JSPF	18 holes
4694-4699'	3 JSPF	15 holes
4636-4640'	3 JSPF	12 holes
4559-4561'	3 JSPF	6 holes



Federal 9-21-9-16
 2303' FSL & 582' FEL
 NE/SE Section 21-T9S-R16E
 Duchesne Co, Utah
 API #43-013-33145; Lease #UTU-74392

FEDERAL 10-21-9-16

Spud Date: 05/12/07
Put on Production: 07/26//07
GL: 6032' KB: 6044'

Wellbore Diagram

Initial Production: BOPD,
MCFD, BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (306.20')
DEPTH LANDED: 323.56' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 144 jts. (6041')
DEPTH LANDED: 6054.25' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
CEMENT TOP: 214'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55
NO. OF JOINTS: 176 jts (5540.93')
TUBING ANCHOR: 5552.93'
NO. OF JOINTS: 1 jts (31.50')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5587.23'
NO. OF JOINTS: 4 jts (123.34')
TOTAL STRING LENGTH: EOT @ 5717.80'

SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM polished rods
SUCKER RODS: 1-8", 1-6" x 3/4" pony rods, 99-3/4" scraped rods, 97-3/4" plain rods, 20-3/4" scraped rods, 6-1 1/2" weight rods.
PUMP SIZE: CDI 2-1/2" x 1-1/2" x 15' RHAC W/ sm plunger
STROKE LENGTH: 86"
PUMP SPEED, 4.5 SPM:

FRAC JOB

07/20/07 5954-5962' **Frac BSLS sands as follows:**
40380# 20/40 sand in 429 bbls Lightning 17 frac fluid. Treated @ avg press of 2388 psi w/avg rate of 24.9 BPM. ISIP 4330 psi. Calc flush: 5952 gal. Actual flush: 5208 gal.

07/20/07 5264-5273' **Frac LODC sands as follows:**
15583# 20/40 sand in 279 bbls Lightning 17 frac fluid. Treated @ avg press of 2484 psi w/avg rate of 24.8 BPM. ISIP 4330 psi. Calc flush: 5262 gal. Actual flush: 4746 gal.

07/20/07 4727-4742' **Frac C sands as follows:**
45637# 20/40 sand in 434 bbls Lightning 17 frac fluid. Treated @ avg press of 1823 psi w/avg rate of 24.8 BPM. ISIP 1756 psi. Calc flush: 4725 gal. Actual flush: 4284 gal.

07/20/07 4586-4658' **Frac D3, D2, & D1 sands as follows:**
0# 20/40 sand in 211 bbls Lightning 17 frac fluid. Treated @ avg press of 1823 psi w/avg rate of 24.8 BPM. ISIP 1597 psi. Calc flush: 4584 gal. Actual flush: 0 gal. (BJ blender broke.)

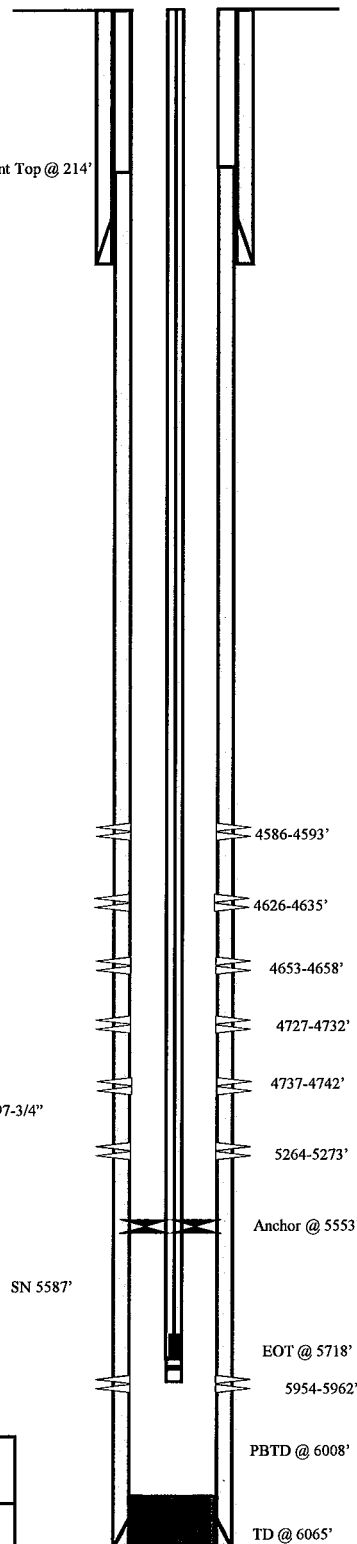
07/21/07 4586-4658' **Frac D sands as follows:**
111055# 20/40 sand in 812 bbls Lightning 17 frac fluid. Treated @ avg press of 1670 psi w/avg rate of 24.8 BPM. ISIP 1770 psi. Calc flush: 4584 gal. Actual flush: 4578 gal

1-23-08 Parted rods. Updated rod & tubing details.

4/21/09 Pump Change. Updated r & t details.

PERFORATION RECORD

07/20/07	5954-5962'	4 JSPF	32 holes
07/20/07	5264-5273'	4 JSPF	36 holes
07/20/07	4737-4742'	4 JSPF	20 holes
07/20/07	4727-4732'	4 JSPF	20 holes
07/20/07	4653-5658'	4 JSPF	20 holes
07/20/07	4626-4635'	4 JSPF	36 holes
07/21/07	4586-4593'	4 JSPF	28 holes



NEWFIELD

FEDERAL 10-21-9-16

1992'FSL & 1810' FEL

NW/SE Section 21-T9S-R16E

Duchesne Co, Utah

API #43-013-33110; Lease # UTU-74392

FEDERAL 16-21-9-16

Spud Date: 05/07/07
Put on Production: 07/05/07
GL: 6027' KB: 6039'

Wellbore Diagram

Initial Production: BOPD,
MCFD, BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (311.91')
DEPTH LANDED: 323.76' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, 3.5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 135 jts. (5887.06')
DEPTH LANDED: 5900.31' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 328 sxs Prem. Lite II mixed & 402 sxs 50/50 POZ.
CEMENT TOP: 244'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 /
NO. OF JOINTS: 180 jts (5663.1')
TUBING ANCHOR: 5675.1'
NO. OF JOINTS: 1 jts (31.5')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5709.3'
NO. OF JOINTS: 2 jts (61.1')
TOTAL STRING LENGTH: EOT @ 5772'

SUCKER RODS

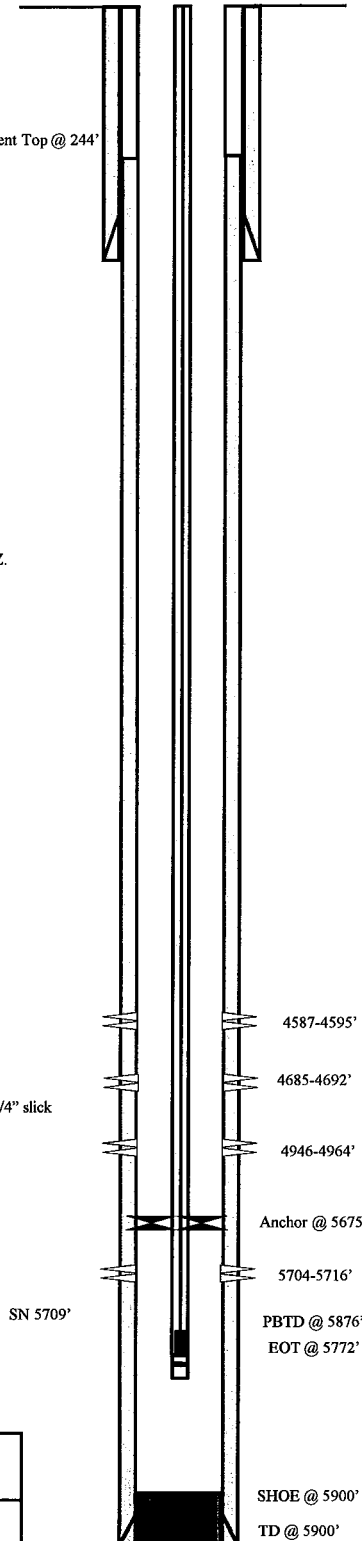
POLISHED ROD: 1-1/2" x 26' polished rod
SUCKER RODS: 1' - x3/4" pony rods, 100-3/4" scraped rods, 69-3/4" slick rods, 53-3/4" scraped rods, 6-1 1/2" weight rods.
PUMP SIZE: CDI 2-1/2" x 1-1/2" x 12 x 16' RHAC
STROKE LENGTH: 86"
PUMP SPEED, 5 SPM:

FRAC JOB

06/28/07	5704-5716'	Frac CP5 sands as follows: 55584# 20/40 sand in 485 bbls Lightning 17 frac fluid. Treated @ avg press of 2306 psi w/avg rate of 24.5 BPM. ISIP 2630 psi. Calc flush: 5702 gal. Actual flush: 5162 gal.
06/29/07	4946-4964'	Frac A1 sands as follows: 140302# 20/40 sand in 956 bbls Lightning 17 frac fluid. Treated @ avg press of 1929 psi w/avg rate of 24.8 BPM. ISIP 2095 psi. Calc flush: 4944 gal. Actual flush: 4439 gal.
06/29/07	4685-4692'	Frac C sands as follows: 24299# 20/40 sand in 323 bbls Lightning 17 frac fluid. Treated @ avg press of 1973 psi w/avg rate of 24.6 BPM. ISIP 1950 psi. Calc flush: 4683 gal. Actual flush: 4225 gal.
06/29/07	4587-4595'	Frac D2 sands as follows: 72627# 20/40 sand in 606 bbls Lightning 17 frac fluid. Treated @ avg press of 1400 psi w/avg rate of 24.7 BPM. ISIP 1838 psi. Calc flush: 4585 gal. Actual flush: 4536 gal
10/16/07		Stuck Pump. Updated rod & tubign details.
05/27/08		Major Workover. Rod & Tubing updated.
05/27/08	4587-4595'	Acidize D2 sands: Pump 250 gals techni-hib 767, W/ 200 gals acid, ISIP @ 1339 psi.
05/27/08	4685-4692'	Acidize C sands: Pump 250 gals techni-hib 767, W/ 200 gals acid, ISIP @ 1343 psi.
05/27/08	4946-4964'	Acidize A1 sands: Pump 500 gals techni-hib 767, W/ 400 gals acid, ISIP @ 1179 psi
05/27/08	5704-5716'	Acidize CP5 sands: Pump 375 gals techni-hib 767, W/ 300 gals acid, ISIP @ 2066 psi
4/23/09		Tubing Leak. Updated r & t details.
8/25/2010		Tubing Leak. Update rod and tubing details.

PERFORATION RECORD

06/28/07	5704-5716'	4 JSPF	48 holes
06/29/07	4946-4964'	4 JSPF	72 holes
06/29/07	4685-4692'	4 JSPF	28 holes
06/29/07	4587-4595'	4 JSPF	32 holes



NEWFIELD

FEDERAL 16-21-9-16

606'FSL & 831' FEL

SE/SE Section 21-T9S-R16E

Duchesne Co, Utah

API #43-013-33165; Lease # UTU-74392

Spud Date: 3-18-08

Put on Production: 5-9-08

GL: 5918' KB: 5930'

Federal 5-22-9-16

Injection Wellbore
DiagramSURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts (307.89')

DEPTH LANDED: 317.89'

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt, circ. 8 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 141 jts (5922.15')

DEPTH LANDED: 5920.15'

HOLE SIZE: 7-7/8"

CEMENT DATA: 300 sxs Prem. Lite II & 400 sxs 50/50 POZ.

CEMENT TOP AT: 114' per CBL 4/29/08

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 126 jts (3959.1')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 3971.1' KB

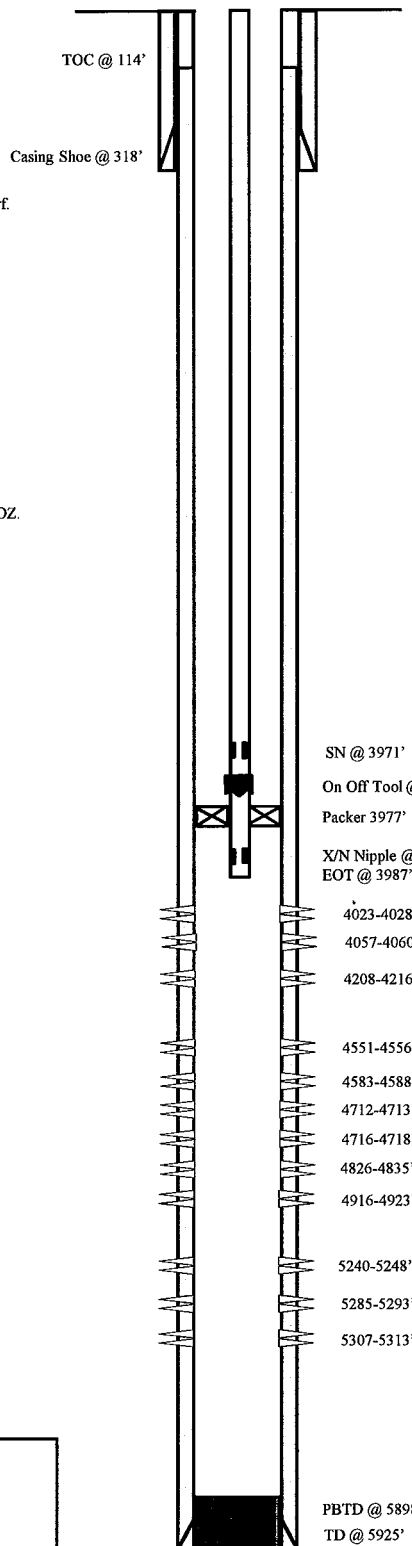
ON/OFF TOOL AT: 3972.2'

PACKER CE AT: 3977.15'

TBG PUP 2-3/8" AT: 3980.9'

X/N NIPPLE AT: 3985.1'

TOTAL STRING LENGTH: EOT @ 3987'

FRAC JOB

05-06-08	5307-5313'	RU BJ & frac LODC sds as follows: 99,254# 20/40 sand in 750 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2444 w/ ave rate of 28.6 bpm w/ 8 ppg of sand. ISIP was 2669. Actual Flush: 4746 gal.
05-06-08	4916-4923'	RU BJ & frac stage #2 as follows: 19,006# 20/40 sand in 304 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2172 w/ ave rate of 23.4 bpm w/ 6.5 ppg of sand. ISIP was 2395. Actual Flush: 4452 gal.
05-06-08	4826-4835'	RU BJ & frac stage #3 as follows: 29,485# 20/40 sand in 377 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1724 w/ ave rate of 23.4 bpm w/ 6.5 ppg of sand. ISIP was 1676. Actual Flush: 4326 gal.
05-06-08	4551-4556'	RU BJ & frac stage #4 as follows: 19,618# 20/40 sand in 297 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1788 w/ ave rate of 23.2 bpm w/ 6.5 ppg of sand. ISIP was 1868. Actual Flush: 4074 gal.
05-06-08	4208-4216'	RU BJ & frac stage #5 as follows: 24,768# 20/40 sand in 330 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2518 w/ ave rate of 23.2 bpm w/ 6.5 ppg of sand. ISIP was 2984. Actual Flush: 4116 gal.
10/7/09		Tubing Leak. Updated rod & tubing details.
09/12/12	4712-4718'	Frac C sands as follows: 10839# 20/40 sand in 126 bbls of Lightning 17 frac fluid.
09/13/12	4057-4060'	Frac GB6 sands as follows: 18889 # 20/40 sand in 192 bbls of Lightning 17 frac fluid.
09/13/12	4023-4026'	Frac GB4 sands as follows: 20651# 20/40 sand in 182 bbls of Lightning 17 frac fluid.
09/14/12		Convert to Injection Well
09/18/12		Conversion MIT Finalized -- update tbg detail

PERFORATION RECORD

04-24-08	5307-5313'	4 JSPF	24 holes
04-30-08	5285-5293'	4 JSPF	32 holes
04-30-08	5240-5248'	4 JSPF	32 holes
04-30-08	4916-4923'	4 JSPF	28 holes
04-30-08	4826-4835'	4 JSPF	36 holes
04-30-08	4583-4588'	4 JSPF	20 holes
04-30-08	4551-4556'	4 JSPF	20 holes
04-30-08	4208-4216'	4 JSPF	32 holes
09-12-12	4716-4718'	3 JSPF	6 holes
09-12-12	4712-4713'	3 JSPF	3 holes
09-12-12	4057-4060'	3 JSPF	9 holes
09-12-12	4023-4026'	3 JSPF	9 holes

NEWFIELD**Federal 5-22-9-16**

1989' FNL & 613' FWL

SW/NW Section 22-T9S-R16E

Duchesne Co, Utah

API # 43-013-33025; Lease # UTU-64379

PBTD @ 5898'

TD @ 5925'

Spud Date: 5-15-07

Put on Production: 7-18-07

GL: 5867' KB: 5879'

Federal 11A-22-9-16

Injection Wellbore
DiagramSURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jnts (311.35')

DEPTH LANDED: 323.2' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 134 jts. (5829.37')

DEPTH LANDED: 5842.62' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.

CEMENT TO SURFACE: 183'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 124 jts (3867.6')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 3879.6' KB

ON/OFF TOOL AT: 3880.7'

ARROW #1 PACKER CE AT: 3885'

XO 2-3/8 x 2-7/8 J-55 AT: 3889.5'

TBG PUP 2-3/8 J-55 AT: 3890'

X/N NIPPLE AT: 3894.1'

TOTAL STRING LENGTH: EOT @ 3895.5'

FRAC JOB

7-9-07 5601-5618'

Frac CP5 sands as follows:

50556# 20/40 sand in 495 bbls Lightning 17 frac fluid. Treated @ avg press of 1972 psi w/avg rate of 24.8 BPM. ISIP 2200 psi. Calc flush: 5599 gal. Actual flush: 5082 gal.

7-11-07 4885-4897'

Frac A1 sands as follows:

70631# 20/40 sand in 616 bbls Lightning 17 frac fluid. Treated @ avg press of 1959 psi w/avg rate of 24.8 BPM. ISIP 2160 psi. Calc flush: 48831 gal. Actual flush: 4410 gal.

7-13-07 4490-4495'

Frac D1 sands as follows:

20088# 20/40 sand in 310 bbls Lightning 17 frac fluid. Treated @ avg press of 1769 psi w/avg rate of 24.8 BPM. ISIP 1908 psi. Calc flush: 4489 gal. Actual flush: 3990 gal.

7-13-07 3940-3948'

Frac GB4 sands as follows:

42107# 20/40 sand in 394 bbls Lightning 17 frac fluid. 24.8BPM. ISIP 1470psi. Calc flush: 3938 gal. Actual flush: 3906 gal.

06/25/08

Workover. Rod & Tubing detail updated.

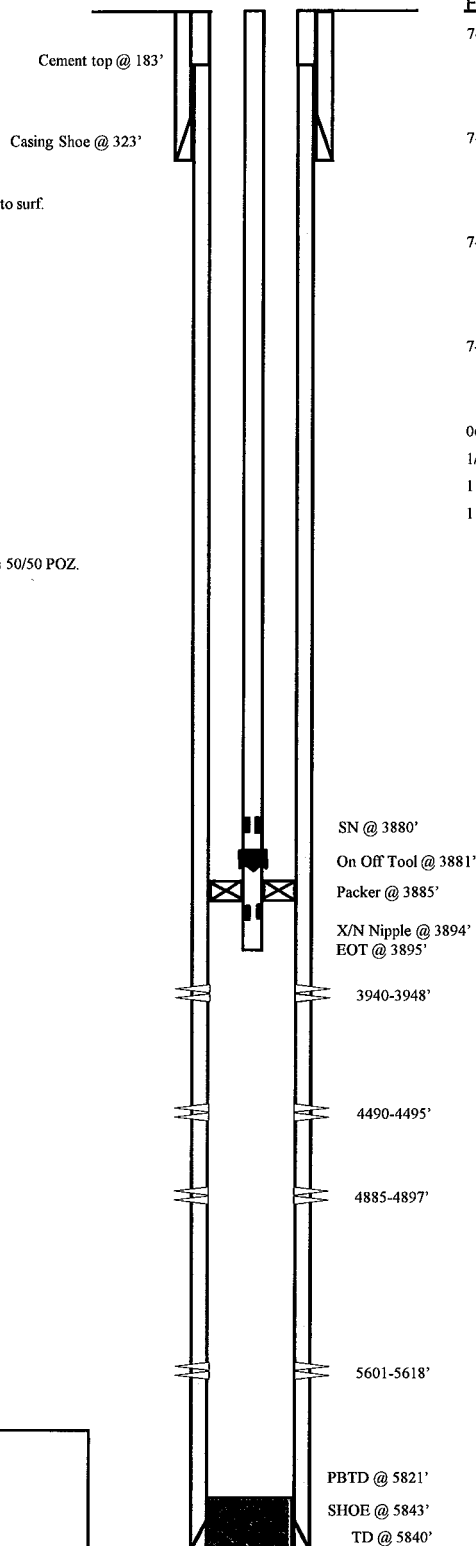
1/18/2010

Tubing leak. Updated rod and tubing detail.

11/16/12

Convert to Injection Well

11/20/12

Conversion MIT Finalized – update tbg detailPERFORATION RECORD

7-9-07	5601-5618'	4 JSPF	68 holes
7-18-07	4885-4897'	4 JSPF	48 holes
7-11-07	4490-4495'	4 JSPF	20 holes
7-13-07	3940-3948'	4 JSPF	32 holes

NEWFIELD**Federal 11A-22-9-16**

2007' FSL & 1783' FWL
NE/SW Section 22-T9S-R16E
Duchesne Co, Utah
API #43-013-33149; Lease #UTU-74392

Spud Date: 5-9-2007

Put on Production: 6-25-2007

GL: 5994' KB: 6006'

Federal 13-22-9-16

Injection Wellbore
DiagramSURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts (302.02')

DEPTH LANDED: 313.87' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 134 jts (5879.22')

DEPTH LANDED: 5892.47' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 325 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.

CEMENT TOP AT: 60'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 142 jts (4460.3')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 4472.5' KB

ON/OFF TOOL AT: 4473.4'

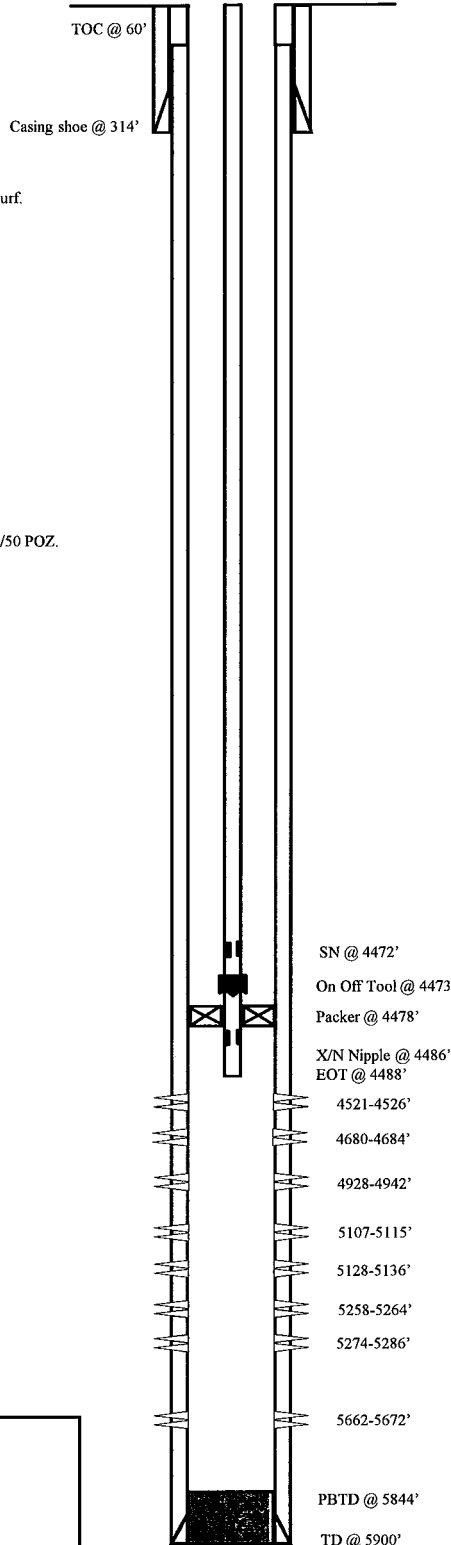
ARROW #1 PACKER CE AT: 4478.17'

XO 2-3/8 x 2-7/8 J-55 AT: 4481.8'

TBG PUP 2-3/8 J-55 AT: 4482.3'

X/N NIPPLE AT: 4486.5'

TOTAL STRING LENGTH: EOT @ 4488'

FRAC JOB

06-19-07	5662-5672'	Frac CP5 sands as follows: 41156# 20/40 sand in 409 bbls Lightning 17 frac fluid. Treated @ avg press of 1991 psi w/avg rate of 21.8 BPM. ISIP 2175 psi. Calc flush: 5660 gal. Actual flush: 5158 gal.
06-19-07	5258-5286'	Frac LODC sands as follows: 79611# 20/40 sand in 602 bbls Lightning 17 frac fluid. Treated @ avg press of 2528 psi w/avg rate of 21.8 BPM. ISIP 2750 psi. Calc flush: 5256 gal. Actual flush: 4788 gal.
06-18-07	5107-5136'	Frac LODC sands as follows: 55106# 20/40 sand in 451 bbls Lightning 17 frac fluid. Treated @ avg press of 2838 psi w/avg rate of 24.7 BPM. ISIP 3235 psi. Calc flush: 5105 gal. Actual flush: 4620 gal.
06-19-07	4928-4942'	Frac A1 sands as follows: 59043# 20/40 sand in 475 bbls Lightning 17 frac fluid. Treated @ avg press of 1937 w/ avg rate of 24.7 BPM. ISIP 2260 psi. Calc flush: 4926 gal. Actual flush: 4872 gal.
08/27/07		Pump Change: Rod & Tubing detail unchanged.
5/29/08		Stuck pump: Rod & Tubing detail updated.
1/31/09		Pump Change. Updated r & t detail.
3/16/2011		Pump Change. Updated rod & tubing detail.
11/26/12	4680-4684'	Frac C sands as follows: 11774# 20/40 sand in 216 bbls Lightning 17 frac fluid.
11/27/12	4521-4526'	Frac D1 sands as follows: 13743# 20/40 sand in 259 bbls Lightning 17 frac fluid.
11/28/12		Convert to Injection Well
12/04/12		Conversion MIT Finalized – update tbg detail

PERFORATION RECORD

06-18-07	5662-5672'	4 JSPF	40 holes
06-19-07	5274-5286'	4 JSPF	48 holes
06-19-07	5258-5264'	4 JSPF	24 holes
06-19-07	5128-5136'	4 JSPF	32 holes
06-19-07	5103-5110'	4 JSPF	32 holes
06-19-07	4928-4942'	4 JSPF	56 holes
11/21/12	4680-4684'	3 JSPF	12 holes
11/21/12	4521-4526'	3 JSPF	15 holes



Federal 13-22-9-16
 906' FSL & 702' FWL
 SW/SW Section 22-T9S-R16E
 Duchesne Co, Utah
 API # 43-013-33148; Lease # UTU-74392

Spud Date: 4-25-07
Put on Production: 6-22-07
GL: 5894' KB: 5906'

Fed. #14-22-9-16

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (309.02')
DEPTH LANDED: 320.87' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: To surface with 160 sx Class "G" cmt.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 142 jts. (6165.44')
DEPTH LANDED: 5793.94' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sx Prem. Lite II & 400 sx 50/50 Poz.
CEMENT TOP: 104'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 179 jts (5577.57')
TUBING ANCHOR: 5589.57' KB
NO. OF JOINTS: 1 jts (31.63')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5624.00' KB
NO. OF JOINTS: 1 jts (31.57')
TOTAL STRING LENGTH: EOT @ 5657.12' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 26'
SUCKER RODS: 3/4 x 4' Pony rod, 100-3/4 x 25' Scraped Rods, 98-3/4" x 25' Slick Rods, 20-3/4" x 25' scraped rods, 6-1 1/2 x 25' wt bars.
PUMP SIZE: 2 1/2" x 1 1/2" x 12x 15' RHAC
STROKE LENGTH: 86"
PUMP SPEED, 5 SPM:

FRAC JOB

6/15/07 **5620-5626 RU BJ & frac CP5 sds as follows:**
14,228#s of 20/40 sand in 265 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2740 w/ ave rate of 27 bpm w/ 6.5 ppg of sand. ISIP was 2525. Actual flush: 5166 gals.

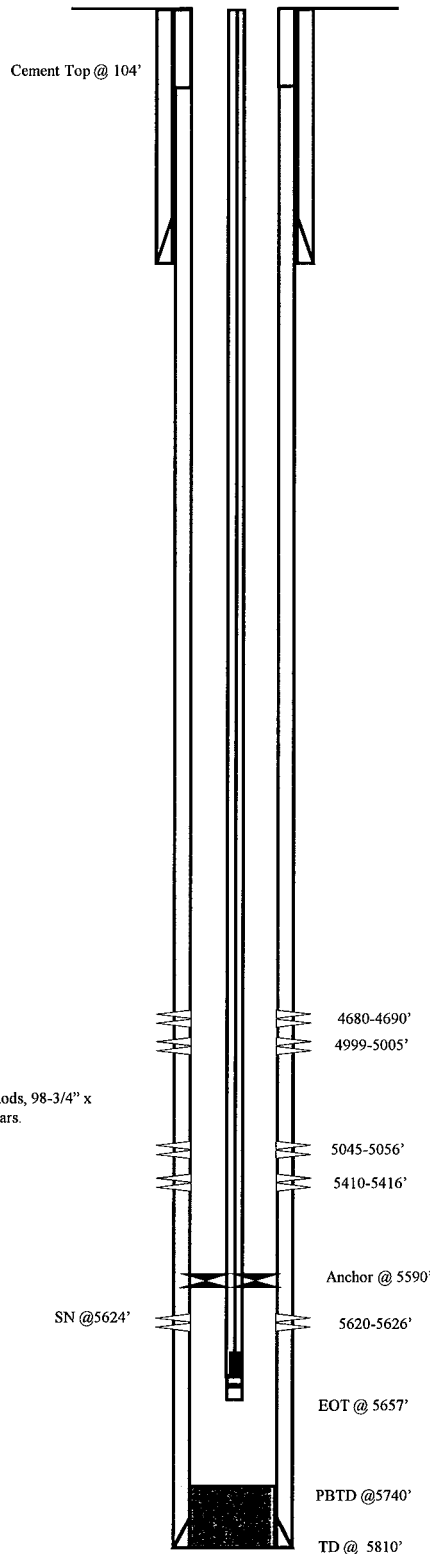
6/15/07 **5410-5416 RU BJ & frac stage #2 as follows:**
19,400# 20/40 sand in 298 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2147 w/ ave rate of 24.8 bpm w/ 6.5 ppg of sand. ISIP was 2134. Actual flush: 4914 gals.

6/15/07 **4999-5005 RU BJ & frac stage #3 as follows:**
55,118# 20/40 sand in 482 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2856 w/ ave rate of 24.8 bpm w/ 6.5 ppg of sand. ISIP was 2986. Actual flush: 4536 gals.

6/15/07 **4680-4690 RU BJ & frac stage #4 as follows:**
61,337# 20/40 sand in 472 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1703 w/ ave rate of 24.8 bpm w/ 8 ppg of sand. ISIP was 2056. Actual flush: 4662 gals.

1/3/09

Pump Change. Updated rod & tubing details.

PERFORATION RECORD

06/15/07	5620-5626'	4 JSPF	24 holes
06/15/07	5410-5416'	4 JSPF	112 holes
06/15/07	5045-5056'	4 JSPF	84 holes
06/15/07	4999-5005'	4 JSPF	20 holes
06/15/07	4680-4690'	4 JSPF	40 holes



Federal 14-22-9-16
477' FSL and 1988' FWL
SE/SW Sec. 22, T9S, 16E
Duchesne Co, Utah
API #43-013-33147 ; Lease #UTU-74392

DF 3/13/09

Monument Federal #11-22

Spud Date:

Put on Production:

GL: 5917' KB: 5927'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8 5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (248.10')

DEPTH LANDED: 258.10' KB

HOLE SIZE: 12 1/4"

CEMENT DATA: 160sxs Class "G" mixed cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5 1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 145 jts. (5648.71')

DEPTH LANDED: 5658.71' KB

HOLE SIZE: 7 7/8"

CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ mix.

CEMENT TOP AT: 474'

TUBING

SIZE/GRADE/WT.: 2 7/8" / J-55 / 6.5#

NO. OF JOINTS: 155 jts (4848.93')

NO. OF JOINTS: 2jts (62.78)

SEATING NIPPLE: 2 7/8" (1.10')

SN LANDED AT: 4924.51' KB

NO. OF JOINTS: 1jts (31.45)

TOTAL STRING LENGTH: EOT @ 4957.51' w/ 12' KB

SUCKER RODS

POLISHED ROD: 1-1/4" x 22' SM

SUCKER RODS: 2-2', 1-4', 6', 8' X 3/4" pony rods, 170- 3/4" plain rods, 20- 3/4" guided rods, 6- 1 1/2" weight rods.

PUMP SIZE: 2-1/2" x 1-1/2" x 14 1/2" RHAC w/SM plunger

STROKE LENGTH: 74"

PUMP SPEED, SPM: 5 SPM

ACID JOB /BREAKDOWN

9/6/96 4754'-4761' BJ Services: 1428 gal 2% KCL
4871'-4878' water w/ 28 ball sealers. Balled
4880'-4884' off. ATP= 1900 psi, ATR= 3.0 bpm,
ISIP= 1400 psi.

9/6/96 4871'-4878' BJ Services: 1596 gal 2% KCL
4880'-4884' water w/ 44 ball sealers. Balled
off. ATP= 1600 psi, ATR= 3.0 bpm,
ISIP= 1300 psi.

9/7/96 4057'-4066' BJ Services: 2268 gal 2% KCL
water w/ 72 ball sealers. Ball
action but no ball off. ATP= 2000 psi,
ATR= 3.5 bpm, ISIP=1400 psi.

FRAC JOB

9/7/96 4754'-4761' BJ Services: 24,402 gal 2%
4871'-4878' KCL water w/ 80,100# 16/30
4880'-4884' sand. ATP= 2200 psi, ATR=
35.4 bpm, ISIP= 2100 psi,
5 min=1780 psi, 10 min= 1690 psi,
15 min= 1640 psi.

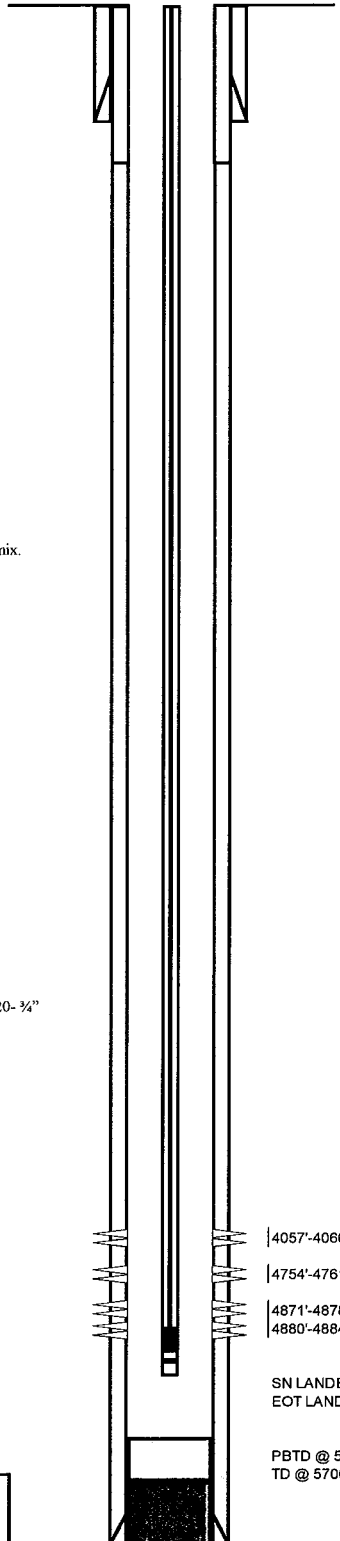
9/7/96 4057'-4066' BJ Services: 14,532 gal 2%
KCL water w/ 39,000# 16/30
sand. ATP= 2000 psi, ATR= 31.0 bpm,
ISIP= 1600 psi, 5 min= 1400 psi,
10 min= 1290 psi, 15 min= 1230 psi,
30 min= 1130 psi.

PERFORATION RECORD

9/5/96	Schlumberger	4754'-4761'	2 SPF
		4871'-4878'	2 SPF
		4880'-4884'	2 SPF
9/7/96	Schlumberger	4057'-4066'	4 SPF

3-20-08

Workover. Updated rod and tubing detail.



SN LANDED @ 4925' KB
EOT LANDED @ 4958' KB

PBTD @ 5614' KB
TD @ 5700' KB

NEWFIELD

Monument Federal 11-22-9-16Y

957' FNL & 832' FWL

NW/NW Section 22-T9S-R16E

Duchesne Co, Utah

API #43-013-31647; Lease #UTU-64379

TK 7-14-08

Balcron Federal #41-21y

Wellbore Diagram

Elev.GR - 5953.5' GL
Elev.KB - 5966' (13' KB)

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 250'
DEPTH LANDED: 258' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 15 sks class "G"

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 6004.02'
DEPTH LANDED: 5999' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 165 sks thrifty lite. Tailed
w/ 275 sks 50-50 POZ.

CEMENT TOP AT: 2980' KB

TUBING

SIZE/GRADE/WT.: 2-7/8" 8rd EUE / J-55 / 6.5#
NO. OF JOINTS: 144 Jts
TUBING ANCHOR: 2-7/8"x5-1/2"
NO. OF JOINTS: 21 Jts
SEATING NIPPLE: 2-7/8"x1.10'
PERFORATED SUB: 2-7/8"x3.20'
MUD ANCHOR: 2-7/8"x31.82'
STRING LENGTH:
SN LANDED AT:

SUCKER RODS

POLISHED ROD: 1-1/4"x22' SM
SUCKER RODS:

2-3/4"x4' Pony
1-3/4"x8' Pony
195-3/4"x25' Plain
6-1"x25' EL w/2.5 guides

TOTAL STRING LENGTH: 5061'

PUMP NUMBER: Trico #1193

PUMP SIZE: 2-1/2"x1-1/2"x16' RWAC

STROKE LENGTH: 58 inches
PUMP SPEED, SPM: 6.5 SPM
PUMPING UNIT SIZE:
PUMPING UNIT:
PRIME MOVER:

ACID JOB /BREAKDOWN

8/24/93 5023'-5036' Halliburton: ATP=2500 psi,
ATR=2.5 bpm, ISIP=1950
psi.

8/28/96 4645'-4650'
4614'-4624' Halliburton: ATR=6.5 bpm,
ATP=2650 psi.

FRAC JOB

8/25/93 5023'-5036' No vols or quantities in
report. Max. Rate=36 bpm,
max. Press.=3200 psi,
ATP=2470 psi, ISIP=2084 psi,
5 min=1770 psi, 10 min=
1723 psi, 15 min=1672 psi.

8/28/96 4645'-4650'
4614'-4624' Halliburton:
No vols or quantities in
report. Max. Rate=35 bpm,
ISIP=1972 psi, 5 min=
1791 psi, 10 min=1679 psi,
15 min=1607 psi.

PERFORATION RECORD

Date	Tool	Interval	SPF
8/23/93	Cutter	5023'-5036'	2 SPF
8/27/93	Schlumberger	4645'-4650'	1 SPF
		4614'-4624'	1 SPF

4614'-4624'

4645'-4650'

5023'-5036'

SN LANDED @5061' KB
EOT LANDED @ 5098' KB

PBTD @ 5950' KB
TD @ 6000' ' KB

NEWFIELD

Balcron Federal #41-21y

Monument Butte
Lease #U-64379

NE NE Section 21, T9S, R16E

970.2' FNL, 893.8 FEL

Duchesne County, Utah

API # 43-013-31392

Federal 8-21-9-16

Spud Date: 6/7/07
Put on Production: 7/9/07
GL: 5944' KB: 5956'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts (288.93')
DEPTH LANDED: 312.98' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G", circ. 5 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 137 jts (6009.83')
DEPTH LANDED: 6009.08' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.
CEMENT TOP AT: 102' per CBL 6/29/07

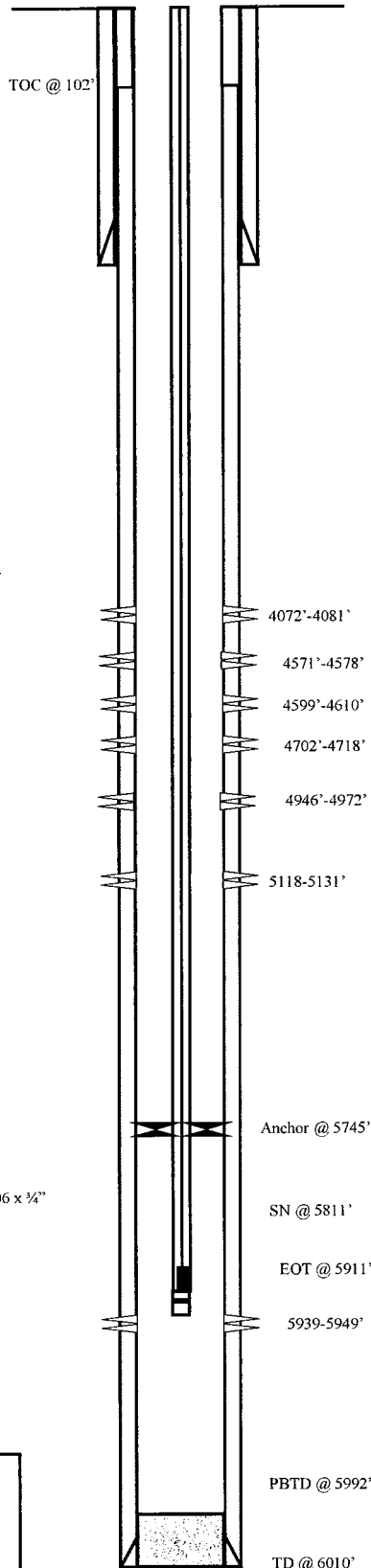
TUBING (GI 6/20/10)

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 182 jts (5733.05')
TUBING ANCHOR: 5745.05' KB
NO. OF JOINTS: 2 jts (63.39')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5811.24' KB
NO. OF JOINTS: 1 jts (31.45')
GAS ANCHOR: 3-5/8" (5.42')
NIPPLE: 2-7/8" (0.3')
NO. OF JOINTS: 2 jts (61.14')
BULL PLUG: 2-7/8" (0.7')
TOTAL STRING LENGTH: EOT @ 5911.35' KB

SUCKER RODS (GI 6/21/10)

POLISHED ROD: 1-1/2" x 26' SM
SUCKER RODS: 4', 6', 8' x 3/4" pony rods, 98 x 3/4" scraped rods, 106 x 3/4" plain rods, 20 x 3/4" scraped rods, 6 x 1-1/2" weight rods
PUMP SIZE: 2-1/2" x 1-1/2" x 12' x 16' RHAC
STROKE LENGTH: 86"
PUMP SPEED, SPM: 6.5
PUMPING UNIT: WEATHERFORD 228-213-86

Wellbore Diagram



FRAC JOB

07-05-07 5939-5949' **Frac BSC sands as follows:**
58253# 20/40 sand in 543 bbls Lightning 17 frac fluid. Treated @ avg press of 2135 psi w/avg rate of 24.5 BPM. ISIP 2834 psi. Calc flush: 5937 gal. Actual flush: 5859 gal.

08-21-07 5118-5131' **Frac LODC sands as follows:**
80405# 20/40 sand in 985 bbls Lightning 17 frac fluid. Treated @ avg press of 2045 psi w/avg rate of 24.7 BPM. ISIP 2410 psi.

08-22-07 4946-4972' **Frac A1 sands as follows:**
79934# 20/40 sand in 636 bbls Lightning 17 frac fluid. Treated @ avg press of 3383 psi w/avg rate of 22.2 BPM. ISIP 3225 psi. Calc flush: 5116 gal. Actual flush: 4612 gal

08-22-07 4702-4718' **Frac C sands as follows:**
50281# 20/40 sand in 462 bbls Lightning 17 frac fluid. Treated @ avg press of 1735 psi w/avg rate of 24.7 BPM. ISIP 1850 psi.

08-22-07 4571-4610' **Frac D1 & D2 sands as follows:**
80148# 20/40 sand in 985 bbls Lightning 17 frac fluid. Treated @ avg press of 1780 psi w/avg rate of 24.7 BPM. ISIP 2055 psi

08-23-07 4072-4081' **Frac GB6 sands as follows:**
32787# 20/40 sand in 366 bbls Lightning 17 frac fluid. Treated @ avg press of 1686 psi w/avg rate of 24.7 BPM. ISIP 1810 psi.

6/22/2010
Pump Change. Update rod ant tubing details

PERFORATION RECORD

Date	Depth Range	Tool Joint	Holes
06-29-07	5939-5949'	4 JSPF	40 holes
08-20-07	5118-5131'	4 JSPF	52 holes
08-20-07	4946-4972'	4 JSPF	104 holes
08-20-07	4702-4718'	4 JSPF	64 holes
06-29-07	4599-4610'	4 JSPF	44 holes
08-20-07	4571-4578'	4 JSPF	28 holes
08-20-07	4072-4081'	4 JSPF	36 holes

NEWFIELD



Federal 8-21-9-16

1852' FNL & 771' FEL

SE/NE Section 21-T9S-R16E

Duchesne Co, Utah

API # 43-013-33023; Lease # UTU-64379

Federal 6-22-9-16

Spud Date: 3-13-08
Put on Production: 5-6-08

GL: 5913' KB: 5925'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts (290.93')
DEPTH LANDED: 302.78' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 141 jts (5933.60')
DEPTH LANDED: 5904' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
CEMENT TOP AT: 196'

TUBING

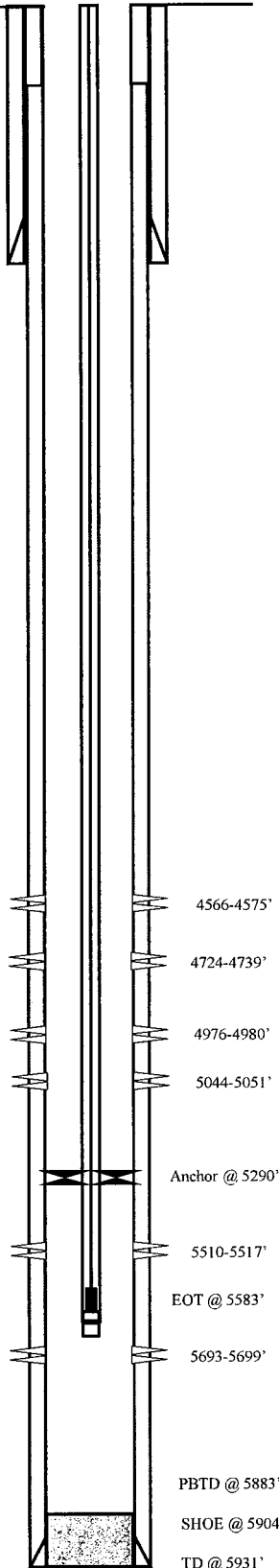
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 168 jts (5278.14')
TUBING ANCHOR: 5290.14' KB
NO. OF JOINTS: 2 jts (63.11')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5356.05' KB
NO. OF JOINTS: 1 jts (31.47')
TOTAL STRING LENGTH: EOT @ 5583.08' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM
SUCKER RODS: 2', 6', 8' x 3/4" pony rods, 99- 3/4" scraped rods, 88- 3/4" plain rods, 20- 3/4" scraped rods, 6- 1 1/2" weight rods.
PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC w/SM plunger
STROKE LENGTH: 86"
PUMP SPEED, SPM: 5 SPM

Wellbore Diagram

Cement top @ 196'



Initial Production: BOPD,
MCFD, BWPD

FRAC JOB

04-30-08	5693-5699'	Frac CP4 sands as follows: 16361# 20/40 sand in 302 bbls Lightning 17 frac fluid. Treated @ avg press of 2441 psi w/avg rate of 23.2 BPM. ISIP 2055 psi. Calc flush: 5691 gal. Actual flush: 5250 gal.
04-30-08	5510-5517'	Frac CP2 sands as follows: 15257# 20/40 sand in 279 bbls Lightning 17 frac fluid. Treated @ avg press of 2046 psi w/avg rate of 23.2 BPM. ISIP 1762 psi. Calc flush: 5508 gal. Actual flush: 4998 gal.
04-30-08	4976-5051'	Frac A3, & A1 sands as follows: 14997# 20/40 sand in 235 bbls Lightning 17 frac fluid. Treated @ avg press of 2158 psi w/avg rate of 23.2 BPM. ISIP 1884 psi. Calc flush: 4974 gal. Actual flush: 4494 gal.
4-30-08	4724-4739'	Frac C sands as follows: 115315# 20/40 sand in 825 bbls Lightning 17 frac fluid. Treated @ avg press of 1876 w/ avg rate of 23.2 BPM. ISIP 2044 psi. Calc flush: 4722 gal. Actual flush: 4242 gal.
04-30-08	4566-4575'	Frac D1 sands as follows: 40206# 20/40 sand in 394 bbls Lightning 17 frac fluid. Treated @ avg press of 1832 w/ avg rate of 23.2 BPM. ISIP 1850 psi. Calc flush: 4564 gal. Actual flush: 4452 gal.

PERFORATION RECORD

04-24-08	5693-5699'	4 JSPF	24 holes
04-30-08	5510-5517'	4 JSPF	28 holes
04-30-08	5044-5051'	4 JSPF	28 holes
04-30-08	4976-4980'	4 JSPF	16 holes
04-30-08	4724-4739'	4 JSPF	60 holes
04-30-08	4566-4575'	4 JSPF	36 holes

NEWFIELD



Federal 6-22-9-16

2340' FNL & 2060' FWL

SE/NW Section 22-T9S-R16E

Duchesne Co, Utah

API # 43-013-33026; Lease # UTU-34379

Multi-Chem Analytical Laboratory

1553 East Highway 40

Vernal, UT 84078

Units of Measurement: **Standard**

A HALLIBURTON SERVICE

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**Well Name: **FEDERAL 12-22-9-16**Sample Point: **Treater**Sample Date: **9/3/2013**Sample ID: **WA-252714**Sales Rep: **Michael McBride**Lab Tech: **Gary Winegar**Scaling potential predicted using ScaleSoftPitzer from
Brine Chemistry Consortium (Rice University)

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	9/11/2013	Cations		Anions	
System Temperature 1 (°F):	120	Sodium (Na):	6721.00	Chloride (Cl):	12000.00
System Pressure 1 (psig):	60	Potassium (K):	95.00	Sulfate (SO ₄):	13.00
System Temperature 2 (°F):	210	Magnesium (Mg):	4.00	Bicarbonate (HCO ₃):	1952.00
System Pressure 2 (psig):	60	Calcium (Ca):	16.00	Carbonate (CO ₃):	
Calculated Density (g/ml):	1.011	Strontium (Sr):	4.00	Acetic Acid (CH ₃ COO)	
pH:	9.00	Barium (Ba):	3.00	Propionic Acid (C ₂ H ₅ COO)	
Calculated TDS (mg/L):	20888.12	Iron (Fe):	55.00	Butanoic Acid (C ₃ H ₇ COO)	
CO ₂ in Gas (%):		Zinc (Zn):	0.70	Isobutyric Acid ((CH ₃) ₂ CHCOO)	
Dissolved CO ₂ (mg/L):	0.00	Lead (Pb):	0.08	Fluoride (F):	
H ₂ S in Gas (%):		Ammonia NH ₃ :		Bromine (Br):	
H ₂ S in Water (mg/L):	5.00	Manganese (Mn):	0.80	Silica (SiO ₂):	23.54

Notes:

B=9.7 Al=5 Li=2.4

(PTB = Pounds per Thousand Barrels)

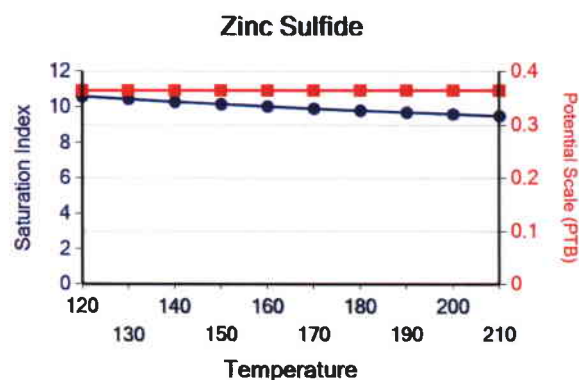
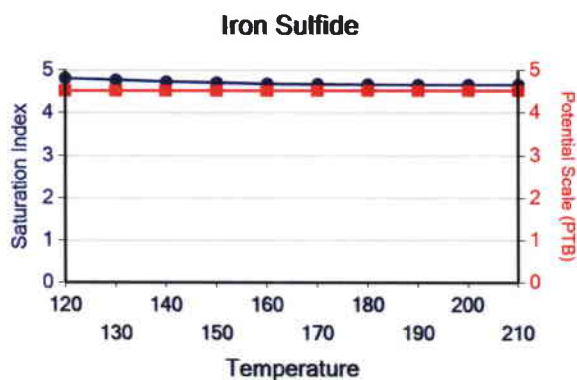
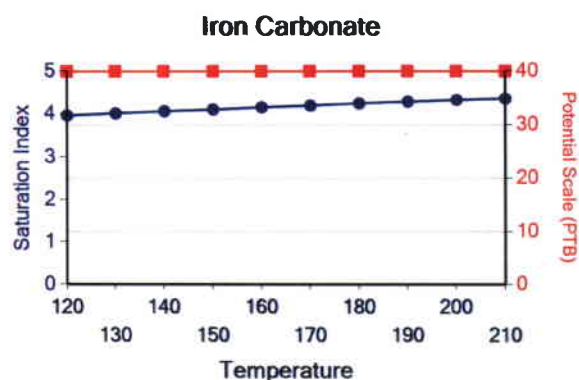
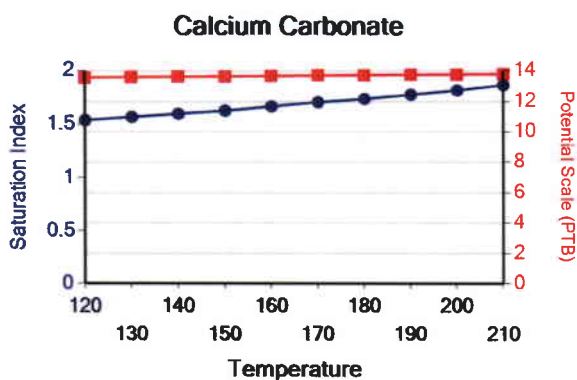
		Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO ₄ 2H ₂ O		Celestite SrSO ₄		Halite NaCl		Zinc Sulfide	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	1.87	13.80	0.00	0.00	4.66	4.52	4.36	39.99	0.00	0.00	0.00	0.00	0.00	0.00	9.51	0.36
200.00	60.00	1.82	13.78	0.00	0.00	4.66	4.52	4.33	39.99	0.00	0.00	0.00	0.00	0.00	0.00	9.61	0.36
190.00	60.00	1.78	13.75	0.00	0.00	4.66	4.52	4.29	39.99	0.00	0.00	0.00	0.00	0.00	0.00	9.71	0.36
180.00	60.00	1.74	13.73	0.00	0.00	4.67	4.52	4.25	39.99	0.00	0.00	0.00	0.00	0.00	0.00	9.81	0.36
170.00	60.00	1.71	13.70	0.00	0.00	4.68	4.52	4.20	39.99	0.00	0.00	0.00	0.00	0.00	0.00	9.92	0.36
160.00	60.00	1.67	13.68	0.00	0.00	4.69	4.52	4.16	39.99	0.00	0.00	0.00	0.00	0.00	0.00	10.04	0.36
150.00	60.00	1.63	13.65	0.00	0.00	4.72	4.52	4.11	39.99	0.00	0.00	0.00	0.00	0.00	0.00	10.17	0.36
140.00	60.00	1.60	13.62	0.00	0.00	4.74	4.52	4.07	39.99	0.00	0.00	0.00	0.00	0.00	0.00	10.30	0.36
130.00	60.00	1.57	13.60	0.00	0.00	4.78	4.52	4.02	39.99	0.00	0.00	0.00	0.00	0.00	0.00	10.45	0.36
120.00	60.00	1.54	13.57	0.00	0.00	4.82	4.52	3.97	39.99	0.00	0.00	0.00	0.00	0.00	0.00	10.60	0.36

Water Analysis Report

Temp (°F)	PSI	Hemihydrate CaSO ₄ ·0.5H ₂ O		Anhydrate CaSO ₄		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.48	0.47	9.64	0.03	7.41	7.97	4.09	12.46	17.22	25.53
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.41	0.47	9.80	0.03	7.06	7.96	3.90	12.44	17.00	25.53
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.34	0.47	9.97	0.03	6.71	7.95	3.71	12.41	16.78	25.53
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.26	0.47	10.15	0.03	6.35	7.93	3.51	12.37	16.55	25.53
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.18	0.47	10.34	0.03	5.99	7.91	3.31	12.29	16.32	25.53
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.09	0.47	10.54	0.03	5.62	7.88	3.11	12.18	16.09	25.53
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.99	0.47	10.75	0.03	5.24	7.84	2.90	12.03	15.86	25.53
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.89	0.47	10.98	0.03	4.86	7.79	2.70	11.82	15.63	25.53
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.78	0.46	11.22	0.03	4.48	7.72	2.49	11.56	15.41	25.53
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.67	0.46	11.47	0.03	4.10	7.62	2.29	11.23	15.18	25.53

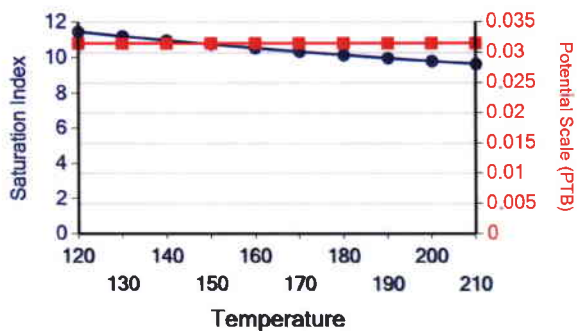
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide Mg Silicate Ca Mg Silicate Fe Silicate

These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide Mg Silicate Ca Mg Silicate Fe Silicate

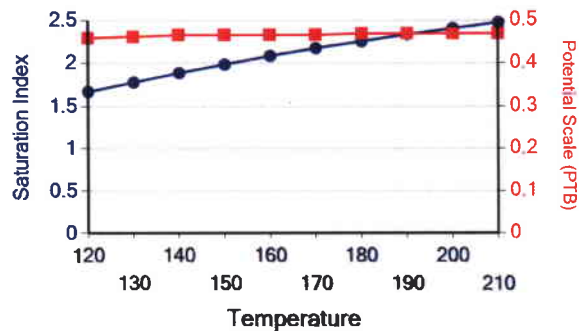


Water Analysis Report

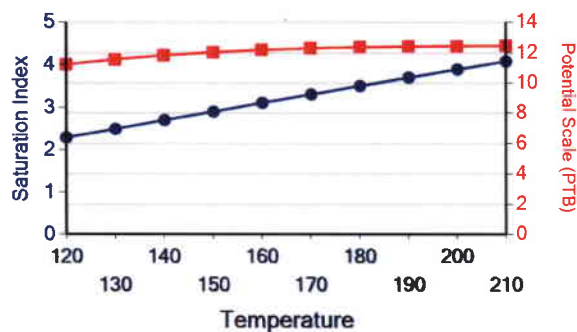
Lead Sulfide



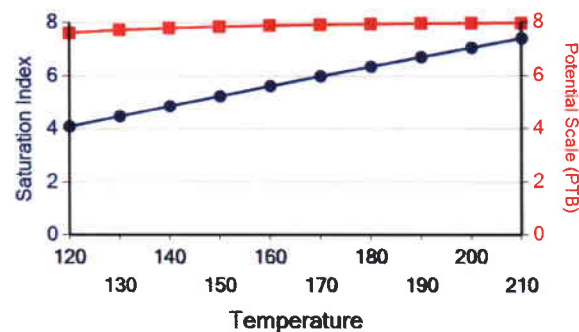
Zinc Carbonate



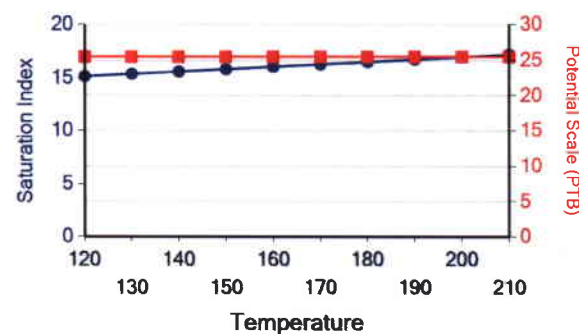
Ca Mg Silicate



Mg Silicate



Fe Silicate



Multi-Chem Analytical Laboratory

1553 East Highway 40

Vernal, UT 84078

Units of Measurement: **Standard**Attachment F
4 or 5

multi-chem®

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Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**Sales Rep: **Michael McBride**Well Name: **SWDIF**Lab Tech: **Gary Peterson**Sample Point: **After Filter**Sample Date: **12/4/2012**Sample ID: **WA-229142**Scaling potential predicted using ScaleSoftPitzer from
Brine Chemistry Consortium (Rice University)

Sample Specifics		Analysis @ Properties in Sample Specifics			
		Cations		Anions	
		mg/L		mg/L	
Test Date:	12/5/2012	Sodium (Na):	734.93	Chloride (Cl):	1000.00
System Temperature 1 (°F):	120.00	Potassium (K):	11.00	Sulfate (SO ₄):	120.00
System Pressure 1 (psig):	60.0000	Magnesium (Mg):	26.00	Bicarbonate (HCO ₃):	366.00
System Temperature 2 (°F):	210.00	Calcium (Ca):	46.20	Carbonate (CO ₃):	
System Pressure 2 (psig):	60.0000	Strontium (Sr):		Acetic Acid (CH ₃ COO)	
Calculated Density (g/ml):	0.999	Barium (Ba):	0.17	Propionic Acid (C ₂ H ₅ COO)	
pH:	6.80	Iron (Fe):	0.13	Butanoic Acid (C ₃ H ₇ COO)	
Calculated TDS (mg/L):	2304.49	Zinc (Zn):	0.02	Isobutyric Acid ((CH ₃) ₂ CHCOO)	
CO ₂ in Gas (%):		Lead (Pb):	0.00	Fluoride (F):	
Dissolved CO ₂ (mg/L):	15.00	Ammonia NH ₃ :		Bromine (Br):	
H ₂ S in Gas (%):		Manganese (Mn):	0.04	Silica (SiO ₂):	
H ₂ S in Water (mg/L):	2.50				

Notes:

9:30

(PTB = Pounds per Thousand Barrels)

		Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO ₄ ·2H ₂ O		Celestite SrSO ₄		Halite NaCl		Zinc Sulfide	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.28	10.64	0.00	0.00	0.20	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.28	0.01
200.00	60.00	0.19	7.48	0.00	0.00	0.13	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.31	0.01
190.00	60.00	0.11	4.25	0.00	0.00	0.07	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.35	0.01
180.00	60.00	0.02	0.97	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.39	0.01
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.44	0.01
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.50	0.01
150.00	60.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.56	0.01
140.00	60.00	0.00	0.00	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.64	0.01
130.00	60.00	0.00	0.00	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.72	0.01
120.00	60.00	0.00	0.00	0.15	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.80	0.01

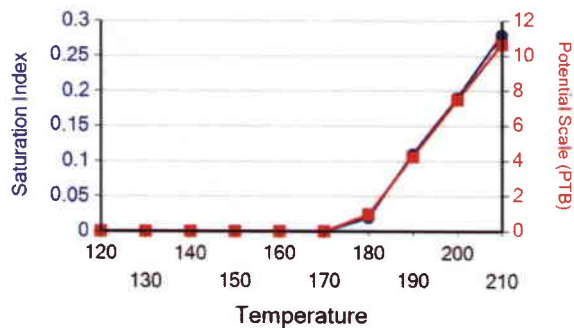
Water Analysis Report

Temp (°F)	PSI	Hemihydrate CaSO ₄ ·0.5H ₂ O		Anhydrate CaSO ₄		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

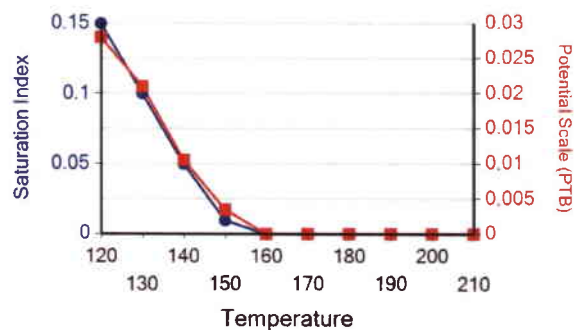
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Iron Sulfide Zinc Sulfide

These scales have positive scaling potential under final temperature and pressure: Barium Sulfate Zinc Sulfide

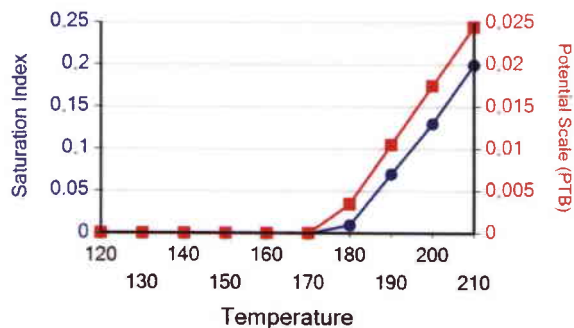
Calcium Carbonate



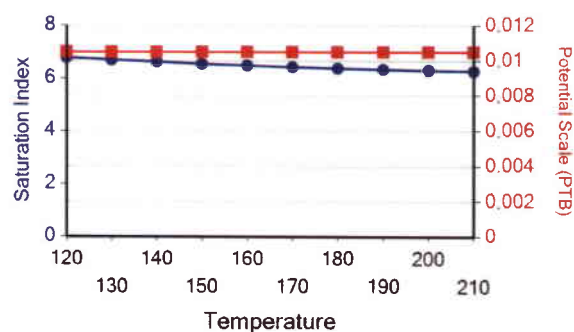
Barium Sulfate



Iron Sulfide



Zinc Sulfide



Attachment "G"

**Federal #12-22-9-16
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax 1400 ←
Top	Bottom				
5535	5545	5540	1436	0.69	
5265	5275	5270		0.43	
4808	4944	4876		0.43	
4674	4706	4690		0.43	
				Minimum	<u><u>1400</u></u>

Calculation of Maximum Surface Injection Pressure

$P_{max} = (\text{Frac Grad} - (0.433 \times 1.015)) \times \text{Depth of Top Perf}$
where pressure gradient for the fresh water is .433 psi/ft and
specific gravity of the injected water is 1.015.

$\text{Frac Gradient} = (\text{ISIP} + (0.433 \times \text{Top Perf.})) / \text{Top Perf.}$

Please note: These are existing perforations; additional perforations may be added during the actual conversion procedure.

No ISIP data for Frac intervals -

request that we perform a step-rate test after conversion to determine MAIP

Daily Activity Report**Format For Sundry****FEDERAL 12-22-9-16****5/1/2009 To 9/30/2009****7/15/2009 Day: 1****Completion**

Rigless on 7/15/2009 - Run CBL & shoot first stage. - Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5798' cement top @ 56'. Perforate stage #1. CP3 sds @ 5535-45' w/ 3 1/8" slick guns (19 gram, .49" EH, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 3 spf for total of 30 shots. 139 BWTR. SWIFN.

Daily Cost: \$0**Cumulative Cost: \$12,189****7/16/2009 Day: 2****Completion**

Rigless on 7/16/2009 - Frac 4 stages & flow well back. - Stage #2, LODC sands. RU BJ Services. 1585 psi on well. Frac LODC sds w/ 65,879#'s of 20/40 sand in 147 bbls of Lightning 17 fluid. Broke @ 4055 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2717 psi @ ave rate of 23 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISDP 2674 psi. Leave pressure on well. RU PSI WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 6' & 2' perf guns. Miss fire on plug. POOH w/ wireline. RIH w/ wireline. Set plug @ 5020'. Perforate A3 & B2 sds @ 4938-44' & 4808-10' w/ 3 1/8" slick guns (13 gram, .34" EH, 120°, 21" pen) w/ 3 spf for total of 24 shots. 981 BWTR - Stage #1, CP3 sands. RU BJ Services. 45 psi on well. Frac CP3 sds w/ 34,344#'s of 20/40 sand in 249 bbls of Lightning 17 fluid. Broke @ 3545 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1839 psi @ ave rate of 23.3 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISDP 1725 psi. Leave pressure on well. RU PSI WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 10' perf gun. Set plug @ 5345'. Perforate LODC sds @ 5265-75' w/ 3 1/8" slick guns (13 gram, .34" EH, 120°, 21" pen) w/ 3 spf for total of 30 shots. 560 BWTR - Stage #3, A3 & B2 sands. RU BJ Services. 2027 psi on well. Frac A3 & B2 sds w/ 34,625#'s of 20/40 sand in 285 bbls of Lightning 17 fluid. Broke @ 3201 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2143 psi @ ave rate of 25.8 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISDP 1881 psi. Leave pressure on well. RU PSI WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 4', 3' & 2' perf guns. Set plug @ 4750'. Perforate C sds @ 4699-4703' 4690-93 & 4674-76' w/ 3 1/8" slick guns (13 gram, .34" EH, 120°, 21" pen) w/ 3 spf for total of 27 shots. 1544 BWTR - Stage #4, C sands. RU BJ Services. 45 psi on well. Frac C sds w/ 34,344#'s of 20/40 sand in 249 bbls of Lightning 17 fluid. Broke @ 3545 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1839 psi @ ave rate of 23.3 BPM. ISDP 1725 psi. 560 BWTR. Open well for immediate flowback @ 3 BPM. Well flowed for 5 1/2 hours & died. Recovered 792 bbls. 933 BWTR.

Daily Cost: \$0**Cumulative Cost: \$90,960****7/20/2009 Day: 3****Completion**

WWS #3 on 7/20/2009 - MIRU WWS #3. PU 108- jts 2 7/8" J-55 6.5# 8rd EUE tbq. - MIRU WWS#3. Check pressure on well, 150 psi. Bleed pressure off well. ND frac BOPs & wellhead. NU production wellhead & BOPs. RU rig floor & tbq equipment. MU 4 3/4" chomp bit. PU &

talley 108- jts 2 7/8" J-55 6.5# 8rd EUE tbgr. RU pump & pump lines. SWIFN. 933 BWTR.

Daily Cost: \$0

Cumulative Cost: \$94,872

7/22/2009 Day: 4

Completion

WWS #3 on 7/22/2009 - Drill out plugs & swab. - Check pressure on well, 0 psi. Continue PU & TIH w/ tbgr, tag plug @ 4750'. RU power swivel, pump & pump lines. Drill out plug in 19 min. Continue PU & TIH w/ tbgr, tag plug @ 5020'. Drill out plug in 25 min. Continue PU & TIH w/ tbgr, tag fill @ 5335'. Clean out to plug @ 5345', drill out plug in 25 min. Continue PU & TIH w/ tbgr, tag fill @ 5619'. Clean out to PBTD @ 5840'. LD 2- jts tbgr. RU sandline. Made 9 swab runs w/ SFL @ surface & EFL @ 1100'. Recovered 90 bbls ending w/ trace of oil & gas, no show of sand. TIH w/ 2 jts tbgr & tag PBTD @ 5840' (no new fill). Circulate well clean. LD tbgr used to clean out. TOOH w/ 54- jts tbgr. SWIFN. 1123 BWTR.

Daily Cost: \$0

Cumulative Cost: \$100,847

7/23/2009 Day: 5

Completion

WWS #3 on 7/23/2009 - Run production tbgr & PU rods. - Continue TOOH w/ tbgr, LD bit sub & bit. TIH w/ production tbgr as follows: 2 7/8" NC, 2- jts 2 7/8" J-55 6.5# 8 rd EUE tbgr, SN, 2- jts tbgr, TA, 174- jts tbgr. RD rig floor. ND BOPs. Set TA @ 5491' w/ 19,000# tension. NU wellhead. X-over for rods. Flush tbgr w/ 60 BW. PU & prime Central Hydraulic 2 1/2" X 1 1/2" X 16' X 20' RHAC pump. PU & TIH w/ rods as follows: 6- 1 1/2" weight rods, 20- 3/4" guided rods, 95- 3/4" guided rods, 101- 3/4" guided rods, 1- 2' X 3/4" pony rod & 1 1/2" X 26' polished rod. RU pumping unit. Fill tbgr w/ 3 BW. Stroke test pump w/ unit to 800 psi. RDMOSU. PWOP @ 3:30 PM w/ 84" SL & 5 SPM. 1138 BWTR. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$159,980

Pertinent Files: Go to File List

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 4624'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 185' balance plug using 22 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Plug #3 120' balance plug using 14sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Plug #4 Pump 40 sx Class "G" cement down 5 ½" casing to 375'

The approximate cost to plug and abandon this well is \$42,000.

Spud Date: 4/28/2009
Put on Production: 7/22/2009
GL: 5966' KB: 5978'

Federal 12-22-9-16

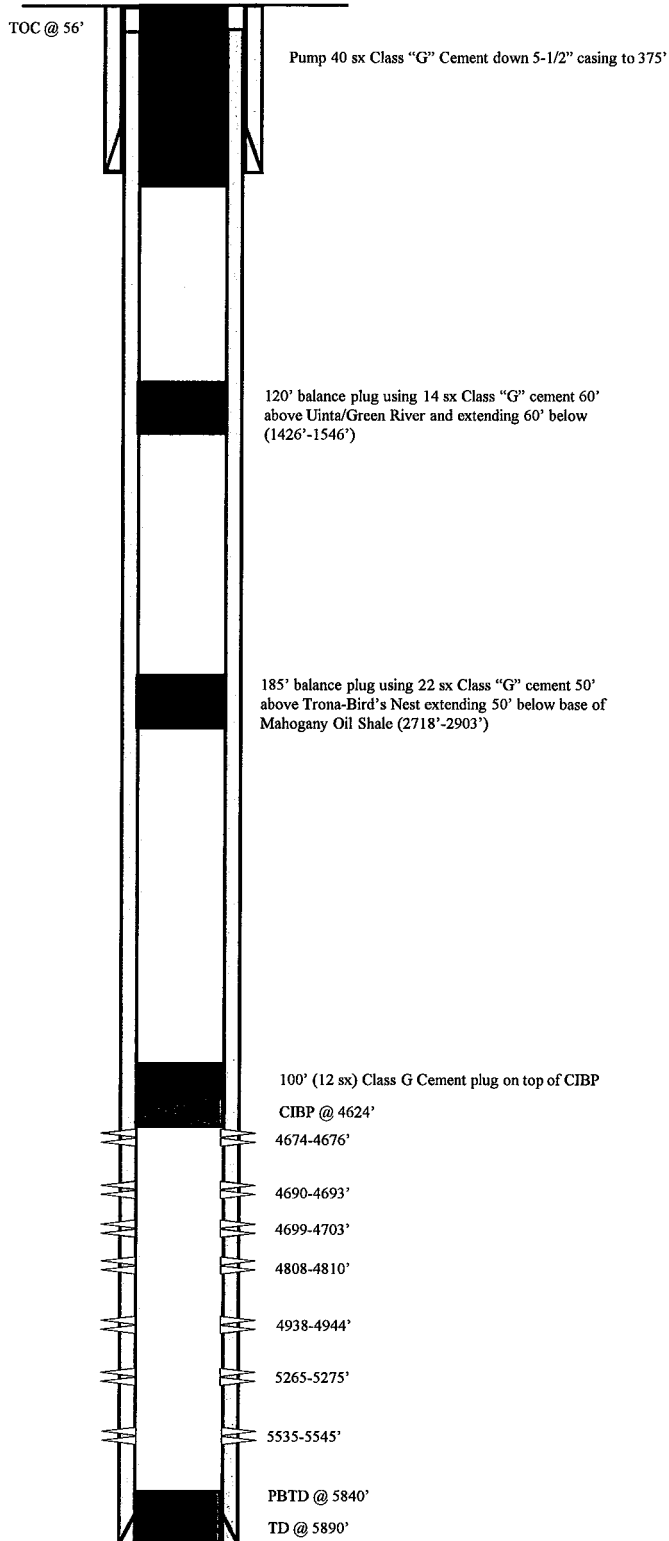
Proposed P & A Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 8 jts (313.85')
HOLE SIZE: 12-1/4"
DEPTH LANDED: 325.7' KB
CEMENT DATA: 160 sxs Class 'G', circ. 4 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 149 jts (5868.64')
HOLE SIZE: 7 7/8"
DEPTH LANDED: 5881.89'
CEMENT DATA: 275 sxs Prem. Lite and 401 sxs 50/50 POZ
CEMENT TOP AT: 56' per CBL 7/14/09



NEWFIELD

Federal 12-22-9-16

2113' FSL & 349' FWL NW/SW

Section 22-T9S-R16E

Duchesne Co, Utah

API # 43-013-33586; Lease # UTU-74392

JL 9/18/2013

**DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM
PERMIT
STATEMENT OF BASIS**

Applicant: Newfield Production Company **Well:** Federal 12-22-9-16

Location: 22/9S/16E **API:** 43-013-33586

Ownership Issues: The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM. The Federal Government is the mineral owner within the area of review (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

Well Integrity: The proposed well has surface casing set at 326 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,882 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 3,020 feet or higher. A 2 7/8 inch tubing with a packer will be set at 4,624 feet. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. Based on surface locations, there are 7 producing wells, 5 injection wells, 1 shut-in well, and 1 P/A well in the AOR. In addition, there is one approved surface location inside the AOR from which a directional well will be drilled to a bottom hole location outside the AOR. All of the wells appear to have adequate casing and cement for the proposed injection interval. However, the cement top based on the CBL (8/23/1993) in the Federal 41-21Y well (API# 43-013-31392), located almost 0.5 mile northwest of the Federal 12-22 well, is somewhat problematic. The cement top of 2,982 feet is believed to represent the top of "lite" cement in the 41-21Y well. Because of some concern about the quality of this cement, Newfield will be required to monitor pressure between surface casing and production casing in the 41-21Y well on a regular basis.

Ground Water Protection: As interpreted from the Utah Geological Survey's DOE Project-Uinta Basin Water Draft Map (Paul B. Anderson, December 2, 2011), the base of moderately saline water (3000-10,000 mg/l TDS) is at a depth of approximately 2700 feet. Injection shall be limited to the interval between 3,855 feet and 5,840 feet in the Green River Formation. However, as described in the previous paragraph, Newfield will be required to monitor pressure between surface casing and production casing in the Federal 41-21Y well on a regular basis. Newfield indicates that it will be necessary to perform a Step Rate Test after conversion in order to determine the fracture gradient and resulting maximum injection pressure for the 12-22-9-16 well (see **Revision** below). The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

Revision (1/8/2014): At the time of conversion on 12/20/2013 Newfield conducted a Step Rate Test on the 12-22-9-16 well. Test results indicate a fracture gradient of 0.73 psi/ft. Based on the test Newfield requested a maximum allowable injection pressure (MAIP) of 1600 psi. The requested MAIP was accepted by DOGM on 1/8/2014.

Oil/Gas& Other Mineral Resources Protection: The Board of Oil, Gas & Mining approved the Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

Bonding: Bonded with the BLM

Actions Taken and Further Approvals Needed: A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Mark Reinbold Date: 10/9/2013 (rev. 1/8/2014)

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-414

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF ONE WELL LOCATED IN SECTION 22, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS A CLASS II INJECTION WELL.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following well located in Duchesne County, Utah, for conversion to a Class II injection well:

Greater Monument Butte Unit:

Federal 12-22-9-16 well located in NW/4 SW/4, Section 22, Township 9 South, Range 16 East API 43-013-33586

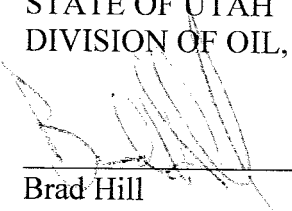
The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 16th day of October, 2013.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING



Brad Hill
Permitting Manager

Newfield Production Company

FEDERAL 12-22-9-16

Cause No. UIC-414

Publication Notices were sent to the following:

Newfield Production Company
1001 17th Street, Suite 2000
Denver, CO 80202

Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066
via e-mail legals@ubstandard.com

Salt Lake Tribune
P O Box 45838
Salt Lake City, UT 84145
via e-mail naclegal@mediaoneutah.com

Vernal Office
Bureau of Land Management
170 South 500 East
Vernal, UT 84078

Duchesne County Planning
P O Box 317
Duchesne, UT 84021-0317

Bruce Suchomel
US EPA Region 8
MS 8P-W-GW
1595 Wynkoop Street
Denver, CO 80202-1129

Newfield Production Company
Rt 3 Box 3630
Myton, UT 84052





Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-414

Cindy Kleinfelter <classifieds@ubstandard.com>

Thu, Oct 17, 2013 at 10:39 AM

To: Jean Sweet <jsweet@utah.gov>

On 10/17/2013 10:21 AM, Jean Sweet wrote:

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining

PO Box 145801

Salt Lake City, UT 84114-5801

Sincerely,

Jean

—

Jean Sweet

Executive Secretary

Utah Division of Oil, Gas and Mining

801-538-5329

Received. It will publish Oct. 22.

Thanks

Cindy



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

October 17, 2013

Via e-mail: legals@ubstandard.com

Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-414

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

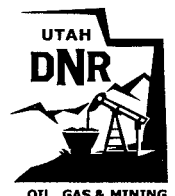
Please send proof of publication and billing to:

Division of Oil, Gas and Mining
PO Box 145801
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet
Executive Secretary

Enclosure





Proof for Notice

Stowe, Ken <naclegal@mediaoneutah.com>

Fri, Oct 18, 2013 at 12:34 PM

Reply-To: "Stowe, Ken" <naclegal@mediaoneutah.com>

To: jsweet@utah.gov

AD# 915301

Run SL Trib & Des News 10/19

Cost \$196.52

Thank You



OrderConf.pdf

119K

Order Confirmation for Ad #0000915301-01

Client	DIV OF OIL-GAS & MINING	Payor Customer	DIV OF OIL-GAS & MINING
Client Phone	801-538-5340	Payor Phone	801-538-5340
Account#	9001402352	Payor Account	9001402352
Address	1594 W NORTH TEMP #1210,P.O. BOX 145801 SALT LAKE CITY, UT 84114 USA	Payor Address	1594 W NORTH TEMP #1210,P.O. BO SALT LAKE CITY, UT 84114
Fax	801-359-3940	Ordered By	Acct. Exec
EMail	juliecarter@utah.gov	Jean	kstowe

Total Amount **\$196.52**

Payment Amt **\$0.00**

Amount Due **\$196.52**

Payment Method

Confirmation Notes:

Text: Jean

Ad Type	Ad Size	Color
Legal Liner	2.0 X 57 Li	<NONE>

Product	Placement	Position
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Product	Placement	Position
sltrib.com::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
Scheduled Date(s):	10/19/2013	
Product	Placement	Position
utahlegals.com::	utahlegals.com	utahlegals.com
Scheduled Date(s):	10/19/2013	
Product	Placement	Position
Deseret News::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
Scheduled Date(s):	10/19/2013	

Ad Content Proof Actual Size

PUBLIC NOTICE

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-414

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF ONE WELL LOCATED IN SECTION 22, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS A CLASS II INJECTION WELL.

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Greater Monument Butte Unit:
Federal 12-22-9-16 well located in NW/4 SW/4, Section 22, Township 9 South, Range 16 East API 43-013-33586

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Greer River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 16th day of October, 2013.
STATE OF UTAH
DIVISION OF OIL, GAS & MINING
/s/ Brad Hill
Permitting Manager
915301

UPAXLP



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

October 17, 2013

Via e-mail naclegal@mediaoneutah.com

Salt Lake Tribune
P. O. Box 45838
Salt Lake City, UT 84145

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-414

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining
PO Box 145801
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet
Executive Secretary

Enclosure





GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

November 19, 2013

Newfield Production Company
1001 Seventeenth Street, Suite 2000
Denver, CO 80202

Subject: Greater Monument Butte Unit Well: Federal 12-22-9-16, Section 22, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-33586

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing\tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any observed pressure changes shall be reported to the Division immediately.
5. Because the cement top is problematic in the Federal 41-21Y well (43-013-31392), pressure between the surface casing and the production casing in that well shall be monitored on a regular basis. Any observed pressure changes shall be reported to the Division immediately.
6. **Newfield will be required to conduct a Step Rate Test at the time of conversion in order to determine the maximum injection pressure.**

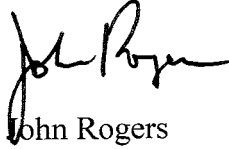


Page 2
Federal 12-22-9-16
November 18, 2013

7. The top of the injection interval shall be limited to a depth no higher than 3,855 feet in the Federal 12-22-9-16 well.

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely,



John Rogers
Associate Director

JR/BGH/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency
Bureau of Land Management, Vernal
Duchesne County
Newfield Production Company, Myton
Well File

N:\O&G Reviewed Docs\ChronFile\UIC

4770 S. 5600 W.
P.O. BOX 704005
WEST VALLEY CITY, UTAH 84170
FED. TAX I.D. # 87-0217663
801-204-6910

The Salt Lake Tribune

WWW.SLTTRIB.COM

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Deseret News

WWW.DESERETNEWS.COM

PROOF OF PUBLICATION

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CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING, 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352	10/21/2013

RECEIVED
OCT 25 2013
DIV OF OIL-GAS & MINING

ACCOUNT NAME	
DIV OF OIL-GAS & MINING,	
TELEPHONE	ADORDER# / INVOICE NUMBER
8015385340	0000915301 /
SCHEDULE	
Start 10/19/2013	End 10/19/2013
CUST. REF. NO.	
Cause No. UIC-414	
CAPTION	
PUBLIC NOTICE BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT	
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57 Lines	2.00 COLUMN
TIMES	RATE
4	
MISC. CHARGES	AD CHARGES
TOTAL COST	
196.52	

PUBLIC NOTICE

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-414

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF ONE WELL LOCATED IN SECTION 22, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS A CLASS II INJECTION WELL.

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Greater Monument Butte Unit:
Federal 12-22-9-16 well located in NW/4 SW/4, Section 22, Township 9 South, Range 16 East API 43-013-33586

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

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Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 16th day of October, 2013.
STATE OF UTAH
DIVISION OF OIL, GAS & MINING
/s/ Brad Hill
Brad Hill
Permitting Manager
915301

UPAXLP

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF PUBLIC NOTICE BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-414 IN THE MATTER FOR DIV OF OIL-GAS & MINING, WAS PUBLISHED BY THE NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH. AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH. NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINATELY. COMPLIES WITH UTAH DIGITAL SIGNATURE ACT UTAH CODE 46-2-101: 46-3-104.

PUBLISHED ON Start 10/19/2013 End 10/19/2013

SIGNATURE

DATE 10/21/2013

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"
PLEASE PAY FROM BILLING STATEMENT



VIRGINIA CRAFT
Notary Public State of Utah
Commission # 81486
My Commission Expires
January 12, 2014

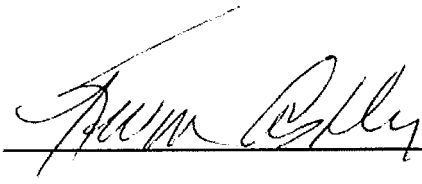
Virginia Craft

NOTARY SIGNATURE

AFFIDAVIT OF PUBLICATION

County of Duchesne,
STATE OF UTAH

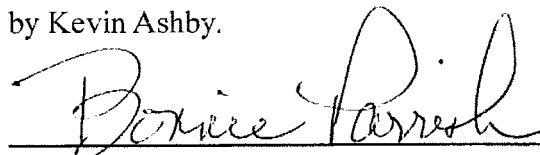
I, Kevin Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 22 day of October, 20 13, and that the last publication of such notice was in the issue of such newspaper dated the 22 day of October, 20 13, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

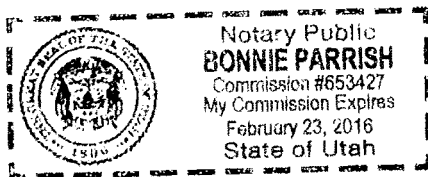

Publisher

Subscribed and sworn to before me on this

23 day of October, 20 13

by Kevin Ashby.


Notary Public



BEFORE THE DIVISION OF OIL, GAS AND MINING DEPART- MENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY AC- TION CAUSE NO. UIC-414

IN THE MATTER
OF THE APPLICA-
TION OF NEW-
FIELD PRODUCTION COMPANY
FOR ADMINISTRATIVE APPROVAL
OF ONE WELL LO-
CATED IN SECTION
22, TOWNSHIP 9

SOUTH, RANGE 16
EAST, DUCHESNE
COUNTY, UTAH, AS
A CLASS II INJECTION WELL.

THE STATE OF
UTAH TO ALL PERSONS
INTERESTED
IN THE ABOVE EN-
TITLED MATTER.

Notice is hereby
given that the Division
of Oil, Gas and Mining
(the "Division")
is commencing an in-
formal adjudicative
proceeding to consider
the application of New-
field Production Com-
pany, 1001 17th Street,
Suite 2000, Denver,
Colorado 80202, tele-
phone 303-893-0102,
for administrative ap-
proval of the following
well located in Duch-
esne County, Utah, for
conversion to a Class II
injection well:

Greater Monument
Butte Unit:

Federal 12-22-9-
16 well located in
NW/4 SW/4, Section
22, Township 9 South,
Range 16 East API 43-
013-33586

The proceeding will
be conducted in ac-
cordance with Utah
Admin. R649-10; Ad-
ministrative Proce-
dure

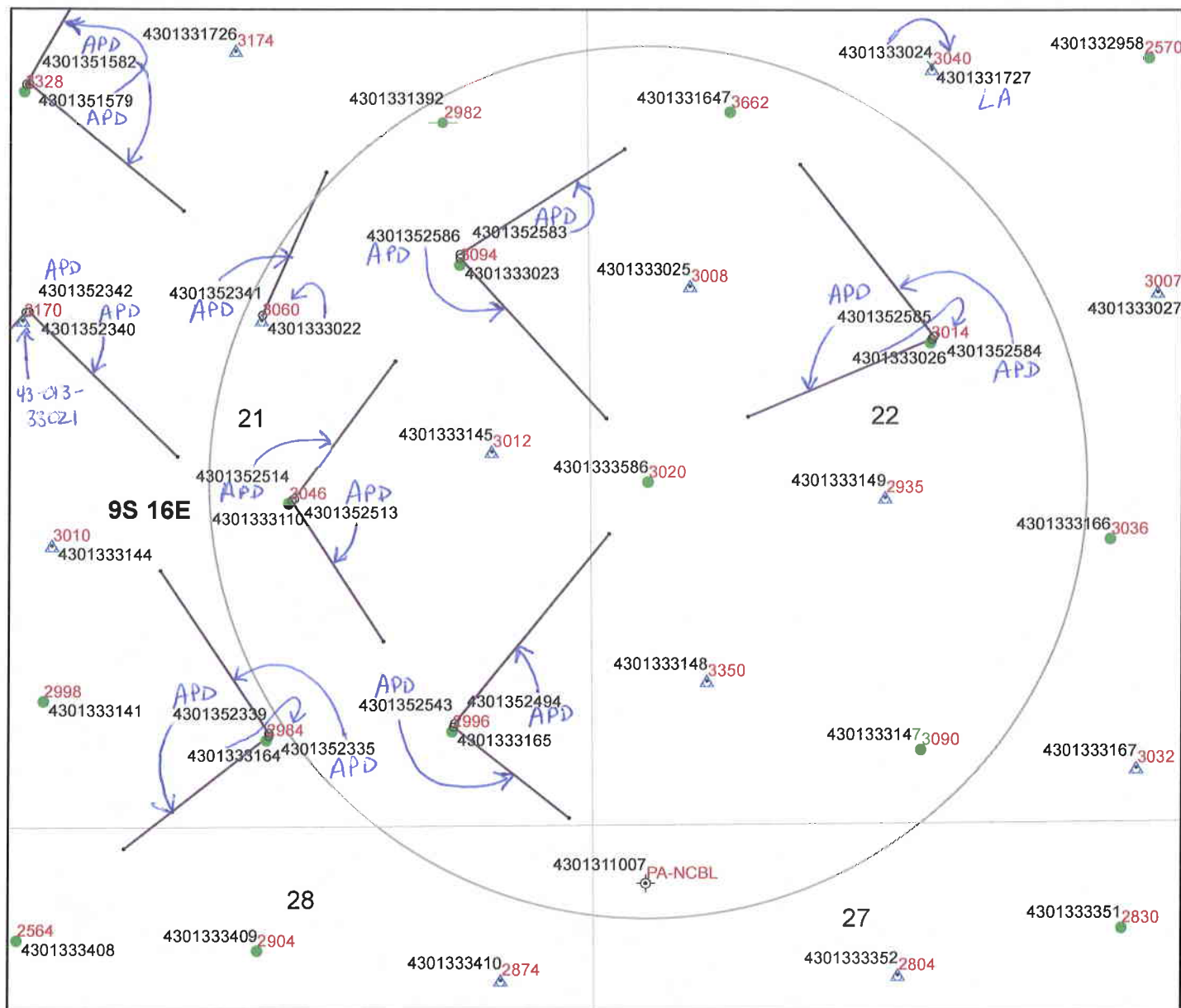
Selected zones in the
Green River Formation
will be used for water
injection. The maxi-
mum requested injection
pressures and rates
will be determined
based on fracture gra-
dient information sub-
mitted by Newfield
Production Company.

Any person desir-
ing to object to the
application or other-
wise intervene in
the proceeding, must
file a written protest
or notice of interven-
tion with the Division
within fifteen days
following publication
of this notice. The Di-
vision's Presiding Of-
ficer for the proceeding
is Brad Hill, Permitting
Manager, at P.O. Box
145801, Salt Lake City,
UT 84114-5801, phone
number (801) 538-
5340. If such a protest
or notice of interven-
tion is received, a hear-
ing will be scheduled
in accordance with
the aforementioned
administrative pro-
cedural rules. Protes-
tants and/or interven-
ers should be prepared
to demonstrate at the
hearing how this matter
affects their interests.

Dated this 16th day
of October, 2013.

STATE OF UTAH
DIVISION OF OIL,
GAS & MINING

Brad Hill
Permitting Manager
Published in the
Uintah Basin Standard
October 22, 2013.



Legend

Oil & Gas Well Type

- APD-Approved Permit
- ⊙ DRL-Spudded (Drilling Commenced)
- ⚡ GIW-Gas Injection Well
- _{GS} GSW-Gas Storage Well
- × LA-Location Abandoned
- LOC-New Location Well
- ⊙ OPS-Drilling Operations Suspended
- ⊙ PA-Pugged & Abandoned
- ⚡ PGW-Producing Gas Well
- POW-Producing Oil Well
- ▲ RET-Returned APD
- ⚡ SGW-Shut-in Gas Well
- SOW-Shut-in Oil Well
- ⊗ TA-Temp Abandoned
- TW-Test Well
- ⚡ WDW-Water Disposal Well
- ▲ WIW-Water Injection Well
- WSW-Water Supply Well

Cement Bond Tops Federal 12-22-9-16 API #43-013-33586 UIC-414.1

0 0.05 0.1 0.2 0.3 0.4 Miles



- 4585 Depth to top of suitable cement bond
- Well Bottom Hole Location
- Oil & Gas Wells Hole Directional Path
- Wells-CbltopsMaster 1-31-13
- DNR Oil Gas Wells Buffer
- County Boundaries
- PLSS Sections
- PLSS Townships



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

UNDERGROUND INJECTION CONTROL PERMIT Cause No. UIC-414

Operator: Newfield Production Company
Well: Federal 12-22-9-16
Location: Section 22, Township 9 South, Range 16 East
County: Duchesne
API No.: 43-013-33586
Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on November 19, 2013.
2. Maximum Allowable Injection Pressure: 1,600 psig (determined by Step Rate Test run by Newfield during conversion process on 12/20/2013).
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,855' – 5,840')
5. Because the cement top is problematic in the Federal 41-21Y well (43-013-31392), pressure between the surface casing and the production casing in that well shall be monitored on a regular basis. Any observed pressure changes shall be reported to the Division immediately
6. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by: _____

John Rogers
Associate Director

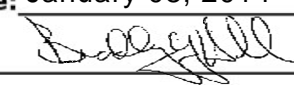
1/13/14
Date

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency
Bureau of Land Management, Vernal
Jill Loyle, Newfield Production Company, Denver
Newfield Production Company, Myton
Duchesne County
Well File

N:\O&G Reviewed Docs\ChronFile\UIC



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-74392
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		8. WELL NAME and NUMBER: FEDERAL 12-22-9-16
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2113 FSL 0349 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 22 Township: 09.0S Range: 16.0E Meridian: S		9. API NUMBER: 43013335860000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input checked="" type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/20/2013	OTHER: <input type="text" value="Step Rate Test"/>	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> DRILLING REPORT Report Date:	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <p>A step rate test was conducted on the subject well on 12/20/2013. Results from the test indicate that the fracture gradient is 0.73 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be 1600 psi. The subject well has been converted from a producing oil well to an injection well on 12/18/2013. On 12/19/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 12/20/2013 the casing was pressured up to 1628 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1100 psig during the test. There was not a State representative available to witness the test.</p>		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto		PHONE NUMBER 435 646-4874
SIGNATURE N/A		TITLE Water Services Technician
DATE 12/30/2013		Accepted by the Utah Division of Oil, Gas and Mining Date: January 08, 2014 By: 

Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: _____ Date 12/20/13 Time 1:00 am ☒ pm

Test Conducted by: Michael Jensen

Others Present: _____

Well: Federal 12-22-9-16

Field: Greater Monument Butte

Well Location: NW1SW Sec. 22, T4S, R16E

API No: 43-013-33586

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1612</u>	psig
5	<u>1615</u>	psig
10	<u>1618</u>	psig
15	<u>1621</u>	psig
20	<u>1624</u>	psig
25	<u>1626</u>	psig
30 min	<u>1628</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1100 psig

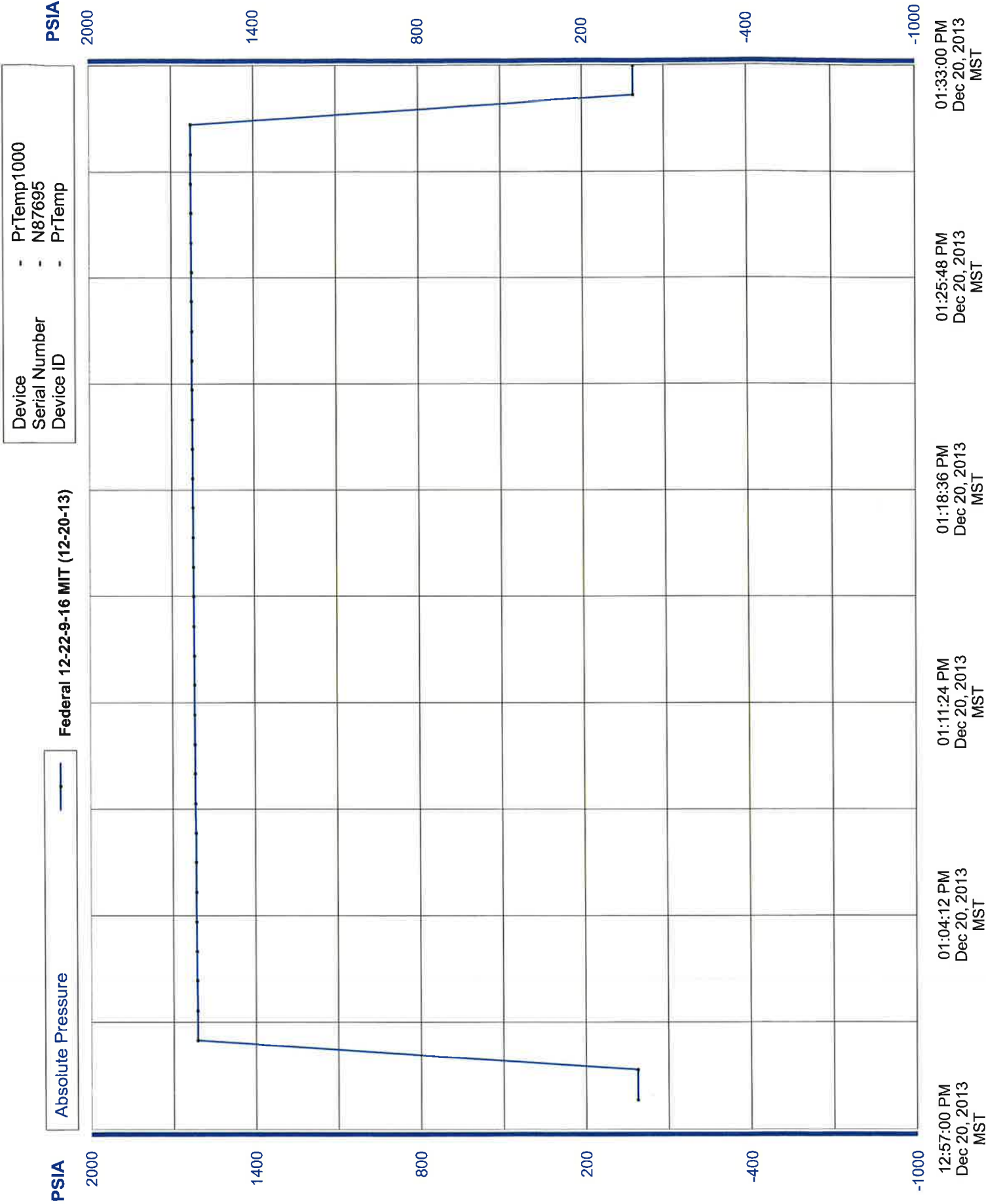
Result:

☒ Pass

☐ Fail

Signature of Witness: _____

Signature of Person Conducting Test: Michael Jensen



Daily Activity Report

Format For Sundry

FEDERAL 12-22-9-16

10/1/2013 To 2/28/2014

12/18/2013 Day: 3

Conversion

NC #3 on 12/18/2013 - Push S/Vlve To S/N, Psr Tst Tbg, N/D BOPs, N/U W/H-D, Pmp Pkr Fluid, N/U Injection Tree, Psr Tst Csg. - 5:30AM-6:00AM C/Tvl, 6:00AM OWU, POOH W/ 6' Tbg Sub, R/U S/Lne To Push S/Vlve To Seat, R/U & RIH, Push S/Vlve to S/N, R/U H/Oiler & Psr Tbg Up To 500psi, POOH W/ S/Lne, L/D S/Lne, R/U H/Oiler W/ Isolation Tool, Psr Tbg Up To 3000psi, Watch For One Hour, Psr Climbed To 3100psi, OWU, R/U S/Lne W/ Fishing Tool, P/U & RIH, Latch Onto S/Vlve, POOH, L/D & R/D S/Lne, P/U 6' Tbg Sub & RIH, R/D Tbg Eqp, R/D Rig Flr, N/D BOPs, N/U W/H-D, Pmp 60BW W/ Pkr Fluid In It, N/D W/H-D, Set Pkr In 15K# Tension, N/U Injection Tree, Fill Csg W/ 15BW, Psr Csg Up To 1500psi, Bled Off To 1400psi @ .33psi Per Min & Held For One Hour, Call For MIT, Wait On MIT Hand, Could Not Do MIT Today, R/D M/O NC#3 Final Report, Ready For MIT - 5:30AM-6:00AM C/Tvl, 6:00AM OWU, TOO H W/ 147jts Tbg, Brake & Dope Each Conn W/ Lubon 404G Dope, L/D 27jts Tbg, T/A, 2jts, S/N, Bleed Nipple, 2jts, N/C, P/U & RIH W/ Guide Collar, X/N Nipple, 4' 2 3/8 Tbg Pup, 2 3/8X2 7/8 X/O, 5 1/2 Weatherford Arrow Set Pkr, On/Off Tool, Seat Nipple & 147jts 2 7/8 J-55 Tbg, Pmp 10BW, Drop S/Vlve, Pmp 45BW, Could Not Get Tbg To Psr Up, P/U & RIH W/ 6' Tbg Sub, SWI, 6:00PM CSDFN, 6:00PM-6:30PM C/Tvl - 5:30AM-6:00AM C/Tvl, 6:00AM OWU, POOH W/ 6' Tbg Sub, R/U S/Lne To Push S/Vlve To Seat, R/U & RIH, Push S/Vlve to S/N, R/U H/Oiler & Psr Tbg Up To 500psi, POOH W/ S/Lne, L/D S/Lne, R/U H/Oiler W/ Isolation Tool, Psr Tbg Up To 3000psi, Watch For One Hour, Psr Climbed To 3100psi, OWU, R/U S/Lne W/ Fishing Tool, P/U & RIH, Latch Onto S/Vlve, POOH, L/D & R/D S/Lne, P/U 6' Tbg Sub & RIH, R/D Tbg Eqp, R/D Rig Flr, N/D BOPs, N/U W/H-D, Pmp 60BW W/ Pkr Fluid In It, N/D W/H-D, Set Pkr In 15K# Tension, N/U Injection Tree, Fill Csg W/ 15BW, Psr Csg Up To 1500psi, Bled Off To 1400psi @ .33psi Per Min & Held For One Hour, Call For MIT, Wait On MIT Hand, Could Not Do MIT Today, R/D M/O NC#3 Final Report, Ready For MIT - 5:30AM-6:00AM C/Tvl, 6:00AM OWU, POOH W/ 6' Tbg Sub, R/U S/Lne To Push S/Vlve To Seat, R/U & RIH, Push S/Vlve to S/N, R/U H/Oiler & Psr Tbg Up To 500psi, POOH W/ S/Lne, L/D S/Lne, R/U H/Oiler W/ Isolation Tool, Psr Tbg Up To 3000psi, Watch For One Hour, Psr Climbed To 3100psi, OWU, R/U S/Lne W/ Fishing Tool, P/U & RIH, Latch Onto S/Vlve, POOH, L/D & R/D S/Lne, P/U 6' Tbg Sub & RIH, R/D Tbg Eqp, R/D Rig Flr, N/D BOPs, N/U W/H-D, Pmp 60BW W/ Pkr Fluid In It, N/D W/H-D, Set Pkr In 15K# Tension, N/U Injection Tree, Fill Csg W/ 15BW, Psr Csg Up To 1500psi, Bled Off To 1400psi @ .33psi Per Min & Held For One Hour, Call For MIT, Wait On MIT Hand, Could Not Do MIT Today, R/D M/O NC#3 Final Report, Ready For MIT - 5:30AM-6:00AM C/Tvl, 6:00AM OWU, TOO H W/ 147jts Tbg, Brake & Dope Each Conn W/ Lubon 404G Dope, L/D 27jts Tbg, T/A, 2jts, S/N, Bleed Nipple, 2jts, N/C, P/U & RIH W/ Guide Collar, X/N Nipple, 4' 2 3/8 Tbg Pup, 2 3/8X2 7/8 X/O, 5 1/2 Weatherford Arrow Set Pkr, On/Off Tool, Seat Nipple & 147jts 2 7/8 J-55 Tbg, Pmp 10BW, Drop S/Vlve, Pmp 45BW, Could Not Get Tbg To Psr Up, P/U & RIH W/ 6' Tbg Sub, SWI, 6:00PM CSDFN, 6:00PM-6:30PM C/Tvl - 5:30AM-6:00AM C/Tvl, 6:00AM OWU, TOO H W/ 147jts Tbg, Brake & Dope Each Conn W/ Lubon 404G Dope, L/D 27jts Tbg, T/A, 2jts, S/N, Bleed Nipple, 2jts, N/C, P/U & RIH W/ Guide Collar, X/N Nipple, 4' 2 3/8 Tbg Pup, 2 3/8X2 7/8 X/O, 5 1/2 Weatherford Arrow Set Pkr, On/Off Tool, Seat Nipple & 147jts 2 7/8 J-55 Tbg, Pmp 10BW, Drop S/Vlve, Pmp 45BW, Could Not Get Tbg To Psr Up, P/U & RIH W/ 6' Tbg Sub, SWI, 6:00PM CSDFN, 6:00PM-6:30PM C/Tvl - 5:30AM-6:00AM, 6:00AM-7:30AM Rig Move, 7:30AM MIRU NC#3, R/D Pmp Unit, R/U Rod Eqp, Pull Pmp Off Seat, Flush Tbg W/ 30BW, Soft Seat Pmp, Psr Tst Tbg To 3000psi(Good Tst), Wait On Runners To Bring Trailer To Lay Rod Down On, Spot In Trailer, L/D Rod String As Shown, 1 1/2X26' Polish Rod, 1-2'4'&8' 3/4 Ponys, 100-3/4 4 Pers, 75-3/4 Slick Rods, 40-3/4 4 Pers, 6 Wt Bars W/ Stabilizers Btwn, 1 Rod Pmp, Flush W/ 30BW Durring Trip To Clean Rods, R/D Rod Eqp, N/D W/H-D, N/U BOPs, TOO H W/ 40jts Tbg, Brake & Dope Each Conn W/ Lubon 404G Dope, SWI, 6:00PM CSDFN, 6:00PM-6:30PM C/Tvl - 5:30AM-6:00AM, 6:00AM-7:30AM Rig

<http://www.inewfld.com/denver/SumActRpt.asp?RC=159511&API=4301333586&MinD...> 12/27/2013

S/Vlve, POOH, L/D & R/D S/Lne, P/U 6' Tbg Sub & RIH, R/D Tbg Eqp, R/D Rig Flr, N/D BOPs, N/U W/H-D, Pmp 60BW W/ Pkr Fluid In It, N/D W/H-D, Set Pkr In 15K# Tension, N/U Injection Tree, Fill Csg W/ 15BW, Psr Csg Up To 1500psi, Bled Off To 1400psi @ .33psi Per Min & Held For One Hour, Call For MIT, Wait On MIT Hand, Could Not Do MIT Today, R/D M/O NC#3 Final Report, Ready For MIT - 5:30AM-6:00AM C/Tvl, 6:00AM OWU, POOH W/ 6' Tbg Sub, R/U S/Lne To Push S/Vlve To Seat, R/U & RIH, Push S/Vlve to S/N, R/U H/Oiler & Psr Tbg Up To 500psi, POOH W/ S/Lne, L/D S/Lne, R/U H/Oiler W/ Isolation Tool, Psr Tbg Up To 3000psi, Watch For One Hour, Psr Climbed To 3100psi, OWU, R/U S/Lne W/ Fishing Tool, P/U & RIH, Latch Onto S/Vlve, POOH, L/D & R/D S/Lne, P/U 6' Tbg Sub & RIH, R/D Tbg Eqp, R/D Rig Flr, N/D BOPs, N/U W/H-D, Pmp 60BW W/ Pkr Fluid In It, N/D W/H-D, Set Pkr In 15K# Tension, N/U Injection Tree, Fill Csg W/ 15BW, Psr Csg Up To 1500psi, Bled Off To 1400psi @ .33psi Per Min & Held For One Hour, Call For MIT, Wait On MIT Hand, Could Not Do MIT Today, R/D M/O NC#3 Final Report, Ready For MIT - 5:30AM-6:00AM C/Tvl, 6:00AM OWU, POOH W/ 6' Tbg Sub, R/U S/Lne To Push S/Vlve To Seat, R/U & RIH, Push S/Vlve to S/N, R/U H/Oiler & Psr Tbg Up To 500psi, POOH W/ S/Lne, L/D S/Lne, R/U H/Oiler W/ Isolation Tool, Psr Tbg Up To 3000psi, Watch For One Hour, Psr Climbed To 3100psi, OWU, R/U S/Lne W/ Fishing Tool, P/U & RIH, Latch Onto S/Vlve, POOH, L/D & R/D S/Lne, P/U 6' Tbg Sub & RIH, R/D Tbg Eqp, R/D Rig Flr, N/D BOPs, N/U W/H-D, Pmp 60BW W/ Pkr Fluid In It, N/D W/H-D, Set Pkr In 15K# Tension, N/U Injection Tree, Fill Csg W/ 15BW, Psr Csg Up To 1500psi, Bled Off To 1400psi @ .33psi Per Min & Held For One Hour, Call For MIT, Wait On MIT Hand, Could Not Do MIT Today, R/D M/O NC#3 Final Report, Ready For MIT - 5:30AM-6:00AM, 6:00AM-7:30AM Rig Move, 7:30AM MIRU NC#3, R/D Pmp Unit, R/U Rod Eqp, Pull Pmp Off Seat, Flush Tbg W/ 30BW, Soft Seat Pmp, Psr Tst Tbg To 3000psi(Good Tst), Wait On Runners To Bring Trailer To Lay Rod Down On, Spot In Trailer, L/D Rod String As Shown, 1 1/2X26' Polish Rod, 1-2'4'8' 3/4 Ponys, 100-3/4 4 Pers, 75-3/4 Slick Rods, 40-3/4 4 Pers, 6 Wt Bars W/ Stabilizers Btwn, 1 Rod Pmp, Flush W/ 30BW Durring Trip To Clean Rods, R/D Rod Eqp, N/D W/H-D, N/U BOPs, TOOH W/ 40jts Tbg, Brake & Dope Each Conn W/ Lubon 404G Dope, SWI, 6:00PM CSDFN, 6:00PM-6:30PM C/Tvl **Finalized**

Daily Cost: \$0

Cumulative Cost: \$37,880

12/26/2013 Day: 4

Conversion

Rigless on 12/26/2013 - Conduct initial MIT - On 12/19/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 12/20/2013 the casing was pressured up to 1628 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1100 psig during the test. There was not a State representative available to witness the test. - On 12/19/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 12/20/2013 the casing was pressured up to 1628 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1100 psig during the test. There was not a State representative available to witness the test. - On 12/19/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 12/20/2013 the casing was pressured up to 1628 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1100 psig during the test. There was not a State representative available to witness the test. - On 12/19/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 12/20/2013 the casing was pressured up to 1628 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1100 psig during the test. There was not a State representative available to witness the test. - On 12/19/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 12/20/2013 the casing was pressured up to 1628 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1100 psig during the test. There was not a State representative available to witness the test. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$70,092

Pertinent Files: Go to File List

Spud Date: 4/28/2009
 Put on Production: 7/22/2009
 GL: 5966' KB: 5978'

Federal 12-22-9-16

Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 8 jts (313.85')
 HOLE SIZE: 12-1/4"
 DEPTH LANDED: 325.7' KB
 CEMENT DATA: 160 sxs Class 'G', circ, 4 bbls to surf.

PRODUCTION CASING

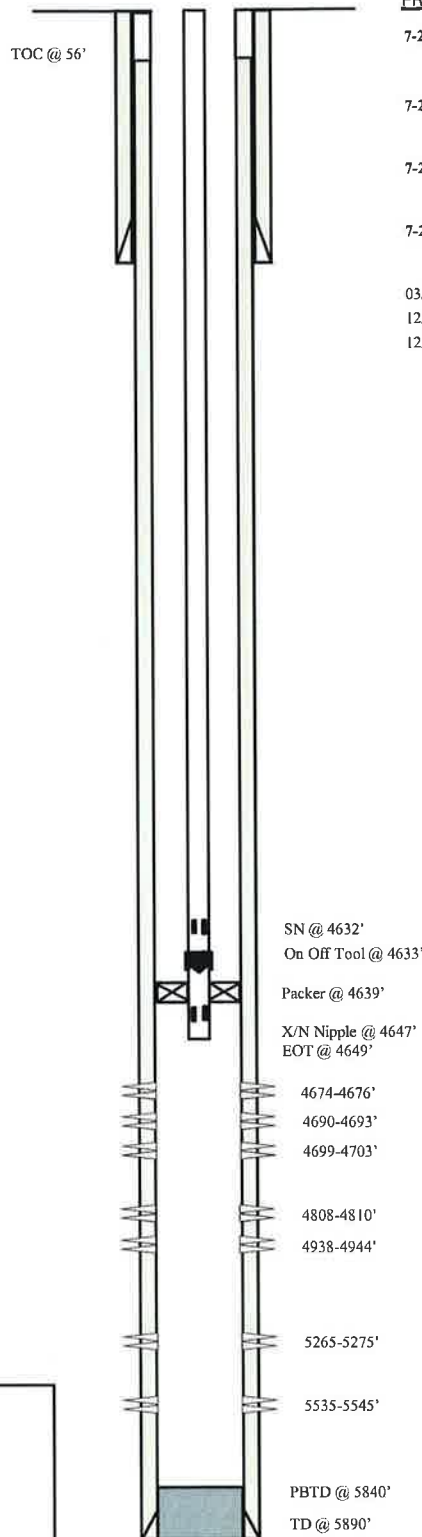
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 149 jts (5868.64')
 HOLE SIZE: 7 7/8"
 DEPTH LANDED: 5881.89'
 CEMENT DATA: 275 sxs Prem. Lite and 401 sxs 50/50 POZ
 CEMENT TOP AT: 56' per CBL 7/14/09

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 167 jts (4619.9')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4631.9' KB
 ON/OFF TOOL AT: 4633'
 ARROW #1 PACKER CE AT: 4639.1'
 XO 2-3/8 x 2-7/8 J-55 AT: 4642.8'
 TBG PUP 2-3/8 J-55 AT: 4643.3'
 X/N NIPPLE AT: 4647.4'
 TOTAL STRING LENGTH: EOT @ 4649.03'

FRAC JOB

7-23-09 5535-5545' **Frac CP3 sands as follows:**
 Frac with 34,344# 20/40 sand in 249 bbls of Lightning 17 fluid.
 7-23-09 5265-5275' **Frac LODC sands as follows:**
 Frac with 65,879# 20/40 sand in 147 bbls of Lightning 17 fluid.
 7-23-09 4808-4944' **Frac A3 & B2 sands as follows:**
 Frac with 34,625# 20/40 sand in 285 bbls of Lightning 17 fluid.
 7-23-09 4674-4703' **Frac C sands as follows:**
 Frac with 34344# 20/40 sand in 249 bbls of Lightning 17 fluid.
 03/16/2011 **Tubing Leak.** Rod & tubing deetail updated.
 12/18/13 **Convert to Injection Well**
 12/20/13 **Conversion MIT Finalized** --update tbg detail



PERFORATION RECORD

5535-5545'	3 JSPF	30 holes
5265-5275'	3 JSPF	30 holes
4938-4944'	3 JSPF	18 holes
4808-4810'	3 JSPF	6 holes
4699-4703'	3 JSPF	12 holes
4690-4693'	3 JSPF	9 holes
4674-4676'	3 JSPF	6 holes

NEWFIELD

Federal 12-22-9-16

2113' FSL & 349' FWL NW/SW

Section 22-T9S-R16E

Duchesne Co, Utah

API # 43-013-33586; Lease # UTU-74392

[illegible]

General Information

Company Information

Company:	Newfield
Company Rep:	MIKE JENSEN
Service Center:	Vernal, UT
Mobile Number:	(435) 393-5898
Fax Number:	(435) 789-7121
Phone Number	(435) 789-7121

Well Information:

Well Name:	12-22-9-16
AFE Number:	0
WBS Number:	
State:	UT
County:	DUCHESNE
Field:	

Weatherford Personnel

Supervisor:	JON HANKS
Engineer:	
E-Tech:	
Fluid Tech:	
Serv. Super:	Dale Simmons
DH Blender:	

Stage Information

Formation Information:

System:	Slickwater
Formation:	Woodford Shale
Design Pump Rate:	5 bpm
BHT:	253°F
EST Frac Gradient:	0.9
Fluid Density:	8.34
TVD:	4674
Hydrostatic Pressure:	2027 psi
Top Flush:	0.0 bbls
Bottom Flush:	0.0 bbls
Pipe Time:	0.00 min
Acid Type 1:	15% HCl
Acid Type 2:	

Frac String

	Top	Bottom	Length	Burst	Collapse	bbl/ft	Capacity
5-1/2", 15.5#, J-55	0	10,000	10,000	4810	4040	0.0372	371.5
2-7/8", 6.5#, J-55	0	4,674	4,674	7260	7680	0.0149	69.8
	0	0					

Perforation Information

Top	Bottom	Midperf	Gross Ht	SPF	Dia	Holes	Phasing
0	0	0	0	-	0.43	24	180°

Frac Fluids

Slickwater
Aquavis 20

Type/Mesh

CarboHSP 16/30	Carbo Ceramic In	3.56	0.034	128
-	0	0	0	0
-	0	0	0	0
-	0	0	0	0

Stage Data

General Info & Data

Date:	12/20/2013
Stage:	1
Start	
Pressure Test:	5500 psi
Opened Well Head:	10:07 AM
Well Head Pressure:	0 psi
Break	
Break:	1600 psi
Breakdown Volume:	180 bbls
Breakdown Rate:	5 bpm
Ball Seat:	
Acid	
15% HCl	

Proppant

CarboHSP 16/30	
-	
-	
Total Proppant	lbs

Pressures & Rates

Maximum Pressure:	1800 psi
Average Pressure:	1165 psi
Minimum Pressure:	530 psi
Maximum Rate:	4.0 bpm
Average Rate:	2.5 bpm
Minimum Rate:	1.0 bpm
Average HP	71 HHP
Maximum HP	176 HHP

Volumes

Total Clean:	260 bbls
Total Slurry:	
Slickwater:	260 bbls
Aquavis:	
Dynafrac:	
Total :	260 bbls

Flush

260 bbls**Prop Volume**gal

Volumes

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End of Stage

ISIP:	1400 psi		
Frac Gradient:	0.73	Total	0.0 bbls
Finished Stage:	12:00 PM	Pad	bbls
5 Min:	1355 psi	Water	
10 Min:	1275 psi	# H2O Tanks	
15 Min:	1245 psi	Tank level	
Total Time:	113 min	Usable Water	0 Bbls

Water

# H2O Tanks	
Tank level	
Usable Water	0 Bbls
Water Temp	

Stage Additives

[illegible]

FET Test

ISIP:	1400 psi
Frac Gradient:	0.73
Finished Stage:	12:22 PM
5 Min:	1355 psi
10 Min:	1275 psi
15 Min:	1245 psi
Perf. Open	
NWB	
Perf. Friction	

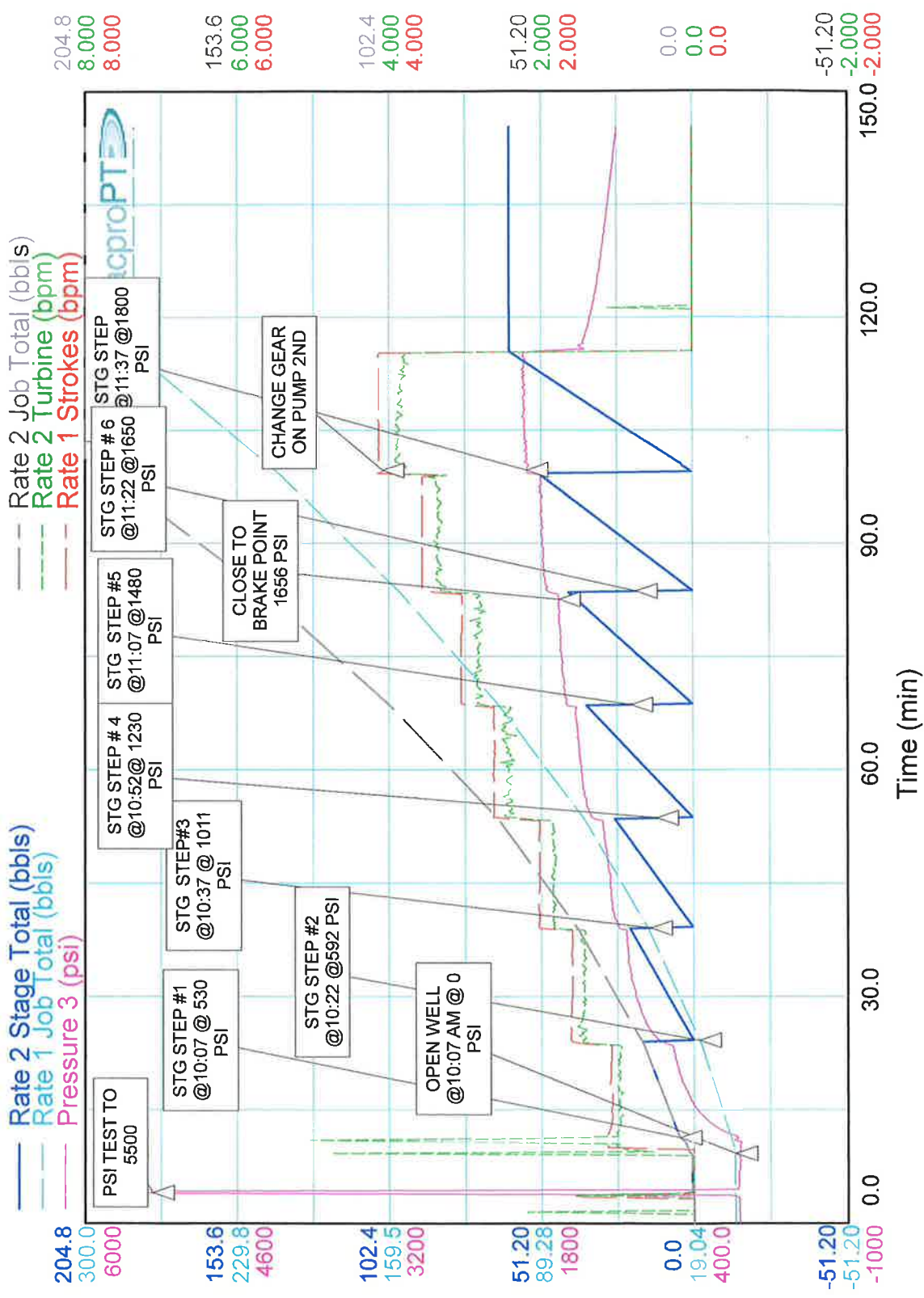
Chemicals/Pump #'s

<u>Blender</u>	<u>HYD</u>	<u>C-10</u>
1)	1)	1)
2)	2)	2)
3)	3)	3)
4)	4)	4)
Dry 1)	5)	5)
Dry 2)		6)
		7)
		8)
		9)
		10)

Treatment Report Comments

NEWFIELD

12-22-9-16 STAGE #1



Description

Date : 12/20/13

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-74392
1. TYPE OF WELL Water Injection Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		8. WELL NAME and NUMBER: FEDERAL 12-22-9-16
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2113 FSL 0349 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 22 Township: 09.0S Range: 16.0E Meridian: S		9. API NUMBER: 43013335860000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/24/2014	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p>The above reference well was put on injection at 9:50 AM on 01/24/2014.</p> </div> <div style="width: 35%; text-align: center;"> <p>Accepted by the Utah Division of Oil, Gas and Mining</p> <p>FOR RECORD ONLY</p> <p>January 31, 2014</p> </div> </div>		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 1/30/2014	